Program Directory for

IBM Z Service Management Suite

English and Japanese

V01.06.01

Program Number 5698-AAF

for use with
z/OS

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GI13-2328-10

Note

Before using this information and the product it supports, be sure to read the general information under 7.0, “Notices” on page 92.

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1.0 Introduction

This program directory is intended for system programmers who are responsible for program installation and maintenance. It contains information about the material and procedures associated with the installation of IBM® Z Service Management Suite. This publication refers to IBM Z Service Management Suite as Service Management Suite, IBM Z NetView (English) as NetView English, IBM Z NetView (Japanese) as NetView Japanese, IBM Z NetView Enterprise Management Agent as NetView Ent Management Agent, IBM Z System Automation as System Automation, and IBM Tivoli Asset Discovery for z/OS as Tivoli Asset Discovery for z/OS.

The Program Directory contains the following sections:

- 2.0, “Program Materials” on page 7 identifies the basic program materials and documentation for Service Management Suite.
- 3.0, “Program Support” on page 10 describes the IBM support available for Service Management Suite.
- 4.0, “Program and Service Level Information” on page 13 lists the APARs (program level) and PTFs (service level) that have been incorporated into Service Management Suite.
- 5.0, “Installation Requirements and Considerations” on page 16 identifies the resources and considerations that are required for installing and using Service Management Suite.
- 6.0, “Installation Instructions” on page 51 provides detailed installation instructions for Service Management Suite. It also describes the procedures for activating the functions of Service Management Suite, or refers to appropriate publications.

Before installing Service Management Suite, read the *CBPDO Memo To Users* and the *CBPDO Memo To Users Extension* that are supplied with this program in softcopy format and this program directory; after which, keep the documents for your reference. Section 3.2, “Preventive Service Planning” on page 10 tells you how to find any updates to the information and procedures in this program directory.

Service Management Suite is supplied in a Custom-Built Product Delivery Offering (CBPDO, 5751-CS3). The program directory that is provided in softcopy format on the CBPDO is identical to the hardcopy format if one was included with your order. All service and HOLDDATA for Service Management Suite are included on the CBPDO.

Do not use this program directory if you install Service Management Suite with a SystemPac or ServerPac. When you use one of those offerings, use the jobs and documentation supplied with the offering. The offering will point you to specific sections of this program directory as needed.

1.1 IBM Z Service Management Suite Description

The IBM Z Service Management Suite offering that you purchased includes a suite of products you can use to monitor your z System ® environments. This offering provides comprehensive service management functions to automate and monitor applications, networks, and all kind of software and hardware assets. The license enables you to use the included components in a very flexible manner to proactively manage the availability and performance of your applications. This offering provides both realtime and historical performance, and availability management capabilities for your IBM z/OS operating system, mainframe networks, storage subsystems, IBM Db2, IBM CICS, IBM IMS, IBM WebSphere MQ for z/OS, IBM WebSphere Application Server for z/OS, and IBM Integration Bus for z/OS. This offering simplifies ordering of a IBM monitoring portfolio and provides a single product package to solve some of your monitoring needs. Rather than having to predetermine exactly which IBM monitoring technologies you want to use, this offering license allows you to use any of the included products.

New in Service Management Suite V1.6.1:

- IBM Z OMEGAMON for JVM V5.5.0 provides resource-level monitoring of all Java virtual machines (JVMs) on z/OS. By using Z OMEGAMON for JVM, you can efficiently monitor, identify, isolate, and correct problems when JVMs on z/OS are in distress or are failing.

This offering includes the following products:

- IBM OMEGAMON for z/OS contains capabilities designed to:
  - Improve problem resolution efficiency by requiring fewer steps to isolate root cause performance impact in real time, and therefore, providing higher availability.
  - Improve visibility, control, and automation with a new more comprehensive 3270UI capable of viewing the entire enterprise-wide environment from a single 3270 screen.
- IBM OMEGAMON for Networks on z/OS enables you to pro-actively monitor the health of vital TCP/IP and SNA resources. It is designed to help you fine tune, troubleshoot, and diagnose TCP/IP and SNA network performance among WebSphere, CICS, Db2, IMS, and other key applications, before the end user experiences a problem.
- IBM OMEGAMON for Storage on z/OS is the comprehensive monitor for z/OS I/O subsystem performance and storage availability. The product combines comprehensive storage performance monitoring with a flexible, easy-to-use browser interface that helps you clearly understand storage conditions and ensure optimal performance.
- IBM OMEGAMON Dashboard Edition on z/OS is a component that provides the capability to integrate management of z/OS operating system, network, subsystems, and storage for greater visibility, control, and automation of your z/OS environment, which can help improve utilization of resources.
  - Enables event driven single-screen monitoring of your enterprise using the enhanced 3270 User Interface Situation Status Tree.

- IBM OMEGAMON for CICS on z/OS provides users advanced problem determination assistance using focused problem-solving scenarios designed by customers. These scenarios put related data needed for associated problems into context to resolve today's performance and availability impacts. Improves visibility, control, and automation for subject matter experts by being able to combine both CICS and z/OS monitors in a new enhanced 3270UI workspace.
- IBM OMEGAMON XE for Db2 Performance Expert on z/OS includes an end-to-end response time measurement capability, materializing Db2 for z/OS SQL metrics, making it IBM's most comprehensive Db2 application performance assessment tool. You can use OMEGAMON to evaluate the efficiency of, and optimize the performance of, your Db2 for z/OS database across your heterogeneous application environment. It offers all of the capabilities of IBM OMEGAMON XE for Db2 Performance Monitor on z/OS and IBM Db2 Buffer Pool Analyzer for z/OS, in addition to its own unique capabilities.
- IBM OMEGAMON for IMS on z/OS is a powerful management tool to help you optimize the performance and availability of your vital IMS systems. It provides a single point of control over IMS in parallel sysplex environments and reports on performance of coupling facility structure statistics, shared queue counts, database lock conflicts and a number of other key IMS attributes that help you stay ahead of potential delays or outages.
- IBM Tivoli Composite Application Manager (ITCAM) for Web Resources, a component of ITCAM for Application Diagnostics, which is included in this package, combines ITCAM for WebSphere and ITCAM for J2EE into a single product and includes new and enhanced capabilities. As a combination of the two products, ITCAM for Web Resources provides deep diagnostic capabilities for JEE applications. Broadly defined, these capabilities could be categorized into three areas that each help to focus in on application performance problems: operational monitoring, transaction analysis, and memory analysis.
- IBM OMEGAMON for Messaging on z/OS is a product package consisting of several components. The following agent components can be configured and run on the mainframe.
  - The IBM MQ Monitoring Agent provides you with the means to verify, analyze and tune MQ for reliability and performance by detecting problems before they impact availability and service levels. It lets you easily collect MQ-specific data for all your queue managers, queue-sharing groups, clusters, channels, and queues, and view and analyze the data from a single vantage point. It reduces the amount of time to troubleshoot problems with many useful workspaces in which you can view current data and track trends in recent and historical data.
  - The IBM Integration Bus Monitoring Agent provides you with the means to verify, analyze, and tune message brokers for reliability and performance by detecting broker and message flow problems before they impact availability and service levels. It reduces the amount of time involved in the deployment of broker applications by helping you debug message flows and providing statistics you can use to tune your environment.
- IBM Z OMEGAMON for JVM provides resource-level monitoring of all Java virtual machines (JVMs) on z/OS. By using Z OMEGAMON for JVM, you can efficiently monitor, identify, isolate, and correct problems when JVMs on z/OS are in distress or are failing.

- IBM Tivoli Discovery Library Adapter for z/OS V3.1.0 discovers z/OS resources and generates output XML files. The files, often referred to as Books, conform to the Discovery Library IdML XML schema and Common Data Model (CDM).

  PARMGEN provides additional configuration enhancements by providing users the option to utilize the functionality of the z/OS Discovery Library Adapter (DLA) to automatically discover properties about online subsystems and include these details within the runtime environment (RTE) configuration files. This reduces the time and effort in creating accurate configuration files.

Note: For more information, refer to the usage of the PARMGEN KCIJPDLA job topic in this URL: https://www.ibm.com/support/knowledgecenter/SSAUBV/com.ibm.omegamon_share.doc_6.3.0.2/zcommonconfig/parmgen_dla.htm

- IBM Z System Automation is a policy-based, self-healing, high-availability solution to maximize efficiency and availability of critical systems and applications. It reduces administrative and operational tasks, customization and programming effort, automation implementation time and costs with Parallel Sysplex® management and automation, and policy-based automation.
- IBM Z NetView® provides automation, and network and systems management to address today's requirement for business agility on System z. System and Network Automation provided by NetView addresses customers continued drive for increased IT availability. As expanding network requirements, such as adding mobile devices, increases the need for a complete network management solution will be increasingly important.
- IBM Tivoli Asset Discovery for z/OS enables you to quickly identify z/OS software inventory and use to reduce costs and minimize compliance risk. Inspecting licenses versus deployment is great for distributed but not sufficient for z/OS, as z/OS products are shared by users/business units. Tivoli® Asset Discovery for z/OS provides discovery, monitoring and reporting to understand z/OS product and application usage.

1.2 Service Management Suite FMIDs

Service Management Suite consists of the following FMIDs:

HKM5550
HKOB750
HKSB750
HKN3550
HKS3550
HKWO550
HKC5550
HKGW550
HKDB54X
HKDB540
HPMZ540
HKI5550
HAAD710
HAAD71C
HKYN710
HKQI750
HKMQ750
HKJJ55U
HKJJ550
HIZD310

The following is a list of product component FMIDs for NetView, System Automation, and Tivoli Asset Discovery that are delivered with this product package but for which installation is not documented here, please refer to the respective product program directory for the respective installation instructions.

- NetView English 5697-NV6

  HNVL13B
  HNV630B
  JNVL13E
  JNV630E

- NetView Japanese 5697-NV6

  HNVL12B
  HNV621B
  JNVL12J
  JNV621J

- NetView Ent Management Agent 5697-NV6

  HNV630A for English, HNV621A for Japanese

- System Automation 5698-SA4

  HWRE420
  JWRE421
  JWRE42C
  JWRE42F
  JWRE42I

- Tivoli Asset Discovery for z/OS 5698-AA4

  HHSI810

2.0 Program Materials

An IBM program is identified by a program number. The program number for Service Management Suite is 5698-AAF.

Basic Machine-Readable Materials are materials that are supplied under the base license and are required for the use of the product.

The program announcement material describes the features supported by Service Management Suite. Ask your IBM representative for this information if you have not already received a copy.

2.1 Basic Machine-Readable Material

The distribution medium for this program is physical media or downloadable files. This program is in SMP/E RELFILE format and is installed by using SMP/E. See 6.0, “Installation Instructions” on page 51 for more information about how to install the program.

You can find information about the physical media for the basic machine-readable materials for Service Management Suite in the *CBPDO Memo To Users Extension*.

To view the Program File Content of the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

2.2 Program Publications

The following sections identify the basic publications for Service Management Suite.

Figure 1 on page 8 identifies the basic unlicensed publications for Service Management Suite.

The unlicensed documentation for Service Management Suite can be found on the IBM Knowledge Center at **https://www.ibm.com/support/knowledgecenter/SSANTA_1.6.1/**.

Figure 1. Basic Material: Unlicensed Publications
Publication Title
IBM Z Service Management Suite Agreements and License Information (LC27-6399)
Program Directory
Quick Start Guides
OMEGAMON shared publications
IBM Tivoli Monitoring documentation
IBM Tivoli Discovery Library Adapter for z/OS User's Guide & Reference
Component Products
IBM Z NetView (English) Program Directory (GI11-9444)
IBM Z NetView (Japanese) Program Directory (GI11-9445)
IBM Z NetView Enterprise Management Agent Program Directory (GI11-9446)
IBM Z System Automation Program Directory (GI13-4184)
IBM Tivoli Asset Discovery for z/OS Program Directory (GI13-2260)
Accessing IBM Service Management Unite CD (LCD8-2731)

Note: The Accessing IBM Service Management Unite CD supplies information for the IBM Service Management Unite portal, as well as the key to access the software download link.

Prior to installing the products included in Service Management Suite, IBM recommends you review the OMEGAMON shared documentation V6.3.0 Fix Pack 2 and above, **What's new in PARMGEN**, the Quick Start Guide, as well as the **First time deployment guide (FTU installation and tasks)**, and the Planning and Configuring topics for general planning and configuration flow. This documentation focuses on the things you will need to know for a successful installation and configuration of the product components included in this package.

The **IBM OMEGAMON and Tivoli Management Services on z/OS** shared documentation, and other IBM product documentation can be found at the IBM Knowledge Center URL listed below:

http://www.ibm.com/support/knowledgecenter/SSAUBV/

The **First time deployment guide (FTU installation and configuration tasks)** documentation can be found on the IBM Knowledge Center at:

http://www.ibm.com/support/knowledgecenter/SSAUBV/
com.ibm.omegamon_share.doc_6.3.0.2/ftu/ftu_cfg_intro.htm

To view the publications content of the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

You can also access documentation for the IBM Service Management Suite for z/OS from the IBM knowledge center website:

https://www.ibm.com/support/knowledgecenter/SSANTA_1.6.1/

Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for a complete documentation list and installation instructions for its product components.

2.3 Program Source Materials

No program source materials or viewable program listings are provided for Service Management Suite.

2.4 Publications Useful During Installation

You might want to use the publications listed in Figure 2 during the installation of Service Management Suite.

Figure 2. Publications Useful During Installation

Publication Title	Form Number
IBM SMP/E for z/OS User's Guide	SA23-2277
IBM SMP/E for z/OS Commands	SA23-2275
IBM SMP/E for z/OS Reference	SA23-2276
IBM SMP/E for z/OS Messages, Codes, and Diagnosis	GA32-0883

These publications can be obtained from the IBM Publications Center website at **http://www-05.ibm.com/e-business/linkweb/publications/servlet/pbi.wss**

3.0 Program Support

This section describes the IBM support available for Service Management Suite.

3.1 Program Services

Contact your IBM representative for specific information about available program services.

3.2 Preventive Service Planning

Before you install Service Management Suite, make sure that you have reviewed the current Preventive Service Planning (PSP) information. Review the PSP Bucket for General Information, Installation Documentation, and the Cross Product Dependencies sections. For the Recommended Service section, instead of reviewing the PSP Bucket, it is recommended you use the IBM.PRODUCTINSTALL-REQUIREDSERVICE fix category in SMP/E to ensure you have all the recommended service installed. Use the **FIXCAT(IBM.PRODUCTINSTALL-REQUIREDSERVICE)** operand on the **APPLY CHECK** command. See 6.1.11, “Perform SMP/E APPLY” on page 61 for a sample APPLY command.

If you obtained Service Management Suite as part of a CBPDO, HOLDDATA is included.

If the CBPDO for Service Management Suite is older than two weeks by the time you install the product materials, you can obtain the latest PSP Bucket information by going to the following website:

http://www14.software.ibm.com/webapp/set2/psearch/search?domain=psp

You can also use S/390 SoftwareXcel or contact the IBM Support Center to obtain the latest PSP Bucket information.

For program support, access the Software Support Website at **http://www.ibm.com/support/**.

PSP Buckets are identified by UPGRADEs, which specify product levels; and SUBSETs, which specify the FMIDs for a product level. The UPGRADE and SUBSET values for Service Management Suite are included in Figure 3.

This product has an installation requirement for IBM Tivoli Management Services on z/OS V6.3.0 Fix Pack 7 or higher (5698-A79), so you should review the PSP buckets for it as well. Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for those UPGRADE and SUBSET values.

Figure 3. PSP Upgrade and Subset ID

UPGRADE	SUBSET	Description
OMEGM5550	HKM5550	OMEGAMON for z/OS
	HKOB750	OMNIMON Base
	HKSB750	Shared Probes
OMEGN3550	HKN3550	OMEGAMON for Networks
OMXES3550	HKS3550	OMEGAMON for Storage on z/OS
OMEGWO550	HKWO550	OMEGAMON DE
OMEGC5550	HKC5550	OMEGAMON for CICS on z/OS
	HKGW550	OMEGAMON for CICS TG on z/OS
5655W37	HKDB54X	OMEGAMON XE for Db2 PE License Key
	HKDB540	OMEGAMON XE for Db2 PE BASE
	HPMZ540	IBM InfoSphere Optim Data Tools Runtime Client
OMEGI5550	HKI5550	OMEGAMON for IMS on z/OS
ITCAM710	HAAD710	ITCAM for Application Diagnostics
	HAAD71C	ITCAM for Application Diagnostics, Common Services
	HKYN710	ITCAM for Application Diagnostics, Tivoli Enterprise Monitoring Agent
OMEGQI750	HKQI750	OMEGAMON for IBM Integration Bus Monitoring
	HKMQ750	OMEGAMON for IBM MQ Monitoring
JVMON550	HKJJ55U	OMEGAMON for JVM MSU
	HKJJ550	OMEGAMON for JVM Base
ZOSDLA	HIZD310	Tivoli Discovery Library Adapter for z/OS

To view the Preventive Service Planning (PSP) of the NetView, System Automatiuon, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

3.3 Statement of Support Procedures

Report any problems which you feel might be an error in the product materials to your IBM Support Center. You may be asked to gather and submit additional diagnostics to assist the IBM Support Center in their analysis.

Figure 4 identifies the component IDs (COMPID) for Service Management Suite.

Figure 4. Component IDs

FMID	COMPID	Component Name	RETAIN Release
HKM5550	5698A5900	OMEGAMON for z/OS	550
HKOB750	5608A41OB	OMNIMON Base	750
HKSB750	5608A41SP	Shared Probes	750
HKN3550	5608A4000	OMEGAMON for Networks on z/OS	550
HKS3550	5608A1000	OMEGAMON for Storage on z/OS	550
HKWO550	5608A4200	OMEGAMON DE	550
HKC5550	5698A5800	OMEGAMON for CICS on z/OS	550
HKGW550	5698A9300	OMEGAMON for CICS TG on z/OS	550
HKDB54X	5655OPE00	OMEGAMON XE for Db2 PE License Key	54X
HKDB540	5655OPE00	OMEGAMON XE for Db2 PE BASE	540
HPMZ540	5724Y9401	IBM InfoSphere Optim Data Tools Runtime Client	540
HKI5550	5698A3900	OMEGAMON for IMS on z/OS	550
HAAD710	5698A7100	ITCAM for Application Diagnostics	710
HAAD71C	5698A710C	ITCAM for Application Diagnostics, Common Services	71C
HKYN710	5698A7101	ITCAM for Application Diagnostics, Tivoli Enterprise Monitoring Agent	710
HKQI750	5698A87MB	OMEGAMON for IBM Integration Bus Monitoring	750
HKMQ750	5608A1100	OMEGAMON for IBM MQ Monitoring	750
HKJJ55U	5698ABA00	OMEGAMON for JVM MSU	550
HKJJ550	5698ABA00	OMEGAMON for JVM Base	550
HIZD310	5698A4700	z/OS DLA	310

To identify the component IDs (COMPID) for the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

4.0 Program and Service Level Information

This section identifies the program and relevant service levels of Service Management Suite. The program level refers to the APAR fixes that have been incorporated into the program. The service level refers to the PTFs that have been incorporated into the program.

4.1 Program Level Information

The following APAR fixes against the previous release of components included with Service Management Suite have been incorporated into this release. They are listed by FMID.

- FMID HKM5550

  OA45222 OA45465 OA45838 OA45936 OA45958 OA46160 OA46432 OA46858
  OA47128 OA47271 OA47300 OA47572 OA47610 OA47620 OA47765 OA47889
  OA48172 OA48261 OA48354 OA48400 OA48551 OA48819 OA48829 OA48937
  OA49047 OA49167 OA49226 OA49369 OA49399 OA49482 OA49530 OA49614
  OA49689 OA49872 OA49898 OA49908 OA49919 OA50020 OA50132 OA50133
  OA50261 OA50272 OA50363 OA50548 OA51082 OA51142 OA51340 OA51356
  OA51828 OA51877 OA52004 OA52301 OA52316 OA52346

- FMID HKOB750

  OA45606 OA45816 OA45821 OA45846 OA46014 OA46177 OA46354 OA46704
  OA46857 OA46860 OA46861 OA46867 OA46911 OA47142 OA47263 OA47617
  OA48029 OA48198 OA48295 OA48532 OA48662 OA48739 OA48917 OA49057
  OA49106 OA49278 OA49686 OA49902 OA49927 OA49966 OA50243 OA50263
  OA50563 OA50894 OA51033 OA51043 OA51357 OA51417 OA51556 OA51564
  OA51646 OA51815 OA51908 OA52016 OA52082 OA52314 OA52323 OA52442

- FMID HKSB750

  OA51458 OA51463 OA51955 OA52489 OA52553 OA53084 OA53329 OA53347
  OA53431 OA53714 OA54479 OA54551 OA55263

- FMID HKN3550

  OA48628 OA48918 OA49059 OA49195 OA49556 OA50057 OA51130 OA52225
  OA52347

- FMID HKS3550

  OA51412 OA51561 OA51648 OA51693 OA51694 OA51920 OA51939 OA52048
  OA52204 OA52374 OA52749 OA52945 OA53327 OA53348 OA53440 OA53447
  OA53493 OA53496 OA53702 OA53888 OA53984 OA53985 OA54049 OA54069
  OA54163 OA54226 OA54304 OA54389 OA54547 OA54653 OA54737 OA54759

- FMID HKC5550

  OA45604 OA45830 OA45871 OA45903 OA46188 OA46388 OA46404 OA46595
  OA46610 OA46791 OA46825 OA46865 OA47188 OA47218 OA47415 OA47489
  OA47739 OA47761 OA47769 OA48048 OA48333 OA48338 OA48402 OA48438
  OA48586 OA48604 OA48663 OA48778 OA48801 OA48908 OA48994 OA49004
  OA49192 OA49218 OA49271 OA49332 OA49432 OA49529 OA49590 OA49613
  OA49616 OA49648 OA49696 OA49759 OA49899 OA50112 OA50150 OA50280
  OA50432 OA50602 OA50995 OA51026 OA51127 OA51162 OA51178 OA51370
  OA51373 OA51389 OA51559 OA51576 OA51778 OA51782 OA51824 OA51951
  OA52026 OA52094 OA52295 OA52410 OA52678

- FMID HKGW550

  OA45873 OA45962 OA46253 OA46528 OA46588 OA48238 OA48573 OA48780
  OA48996 OA49193 OA49913 OA50479 OA50938 OA51804 OA52306

- FMID HKDB540

  PI23326 PI27460 PI32505 PI32725 PI34092 PI37624 PI37637 PI37640
  PI37768 PI37876 PI39427 PI39646 PI40007 PI40257 PI40707 PI41106
  PI41371 PI41417 PI41469 PI41760 PI41942 PI41946 PI41947 PI41955
  PI42035 PI42036 PI42070 PI42071 PI42087 PI42097 PI42123 PI42124
  PI42397 PI42687 PI42811 PI42859 PI43162 PI43273 PI43658 PI43822
  PI43903 PI44010 PI44127 PI44900 PI45384 PI45569 PI45693 PI45716
  PI46906 PI46934 PI46990 PI47177 PI47383 PI47426 PI47560 PI47816
  PI47840 PI48095 PI48187 PI48262 PI48548 PI48597 PI48708 PI49016
  PI49042 PI49139 PI49359 PI49670 PI49684 PI49802 PI50561 PI50684
  PI50911 PI50967 PI51298 PI51400 PI51515 PI51545 PI52172 PI52318
  PI52445 PI52474 PI52557 PI52681 PI53099 PI53149 PI53157 PI53315
  PI53361 PI53568 PI53907 PI54220 PI54712 PI54779 PI54887 PI55107
  PI55493 PI55616 PI55665 PI56002 PI56150 PI56480 PI56502 PI56601
  PI56743 PI56818 PI56839 PI57040 PI57247 PI57892 PI58153 PI58304
  PI58565 PI58728 PI58821 PI58897 PI58929 PI58948 PI59283 PI59314
  PI59545 PI59864 PI60754 PI61049 PI61267 PI61519 PI61848 PI63615
  PI64289 PI65201 PI65969 PI66052

- FMID HKI5550

  OA48582 OA48696 OA48722 OA48728 OA48805 OA49177 OA49216 OA49270
  OA49423 OA49451 OA49466 OA49490 OA49606 OA49643 OA49762 OA49848
  OA49869 OA49947 OA50003 OA50043 OA50163 OA50234 OA50255 OA50274
  OA50429 OA50498 OA50499 OA50531 OA50553 OA50584 OA50596 OA51089
  OA51161 OA51192 OA51212 OA51399 OA51411 OA51426 OA51478 OA51567
  OA51578 OA51589 OA51732 OA51792 OA51833 OA51940 OA52052 OA52081
  OA52191 OA52366 OA52440 OA52451

- FMID HKYN710

  PK79492

- FMID HKQI750

  OA46419 OA46840 OA48751 OA49398 OA50555 OA51396 OA51407

- FMID HKMQ750

  ```
  OA46216 OA46409 OA46415 OA46421 OA46428 OA46430 OA46431 OA46448
  OA46637 OA46798 OA46839 OA47306 OA47323 OA47417 OA47819 OA48032
  OA48150 OA48485 OA49049 OA49230 OA49312 OA49397 OA49404 OA49632
  OA49715 OA50276 OA50601 OA50607 OA50644 OA50834 OA51078 OA51271
  OA51345 OA51831 OA51876 OA52597 OA52620 OA52839 OA52964 OA53178
  OA52573 OA53736
  ```

To view the list of APAR fixes against the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

4.2 Service Level Information

No PTFs against this release of Service Management Suite have been incorporated into the product package.

To view the Service Level Information of the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

5.0 Installation Requirements and Considerations

The following sections identify the system requirements for installing and activating Service Management Suite. The following terminology is used:

- *Driving system*: the system on which SMP/E is executed to install the program.
- *Target system*: the system on which the program is configured and run.

In many cases, you can use a system as both a driving system and a target system. However, you can make a separate IPL-able clone of the running system to use as a target system. The clone must include copies of all system libraries that SMP/E updates, copies of the SMP/E CSI data sets that describe the system libraries, and your PARMLIB and PROCLIB.

Use separate driving and target systems in the following situations:

- When you install a new level of a product that is already installed, the new level of the product will replace the old one. By installing the new level onto a separate target system, you can test the new level and keep the old one in production at the same time.
- When you install a product that shares libraries or load modules with other products, the installation can disrupt the other products. By installing the product onto a separate target system, you can assess these impacts without disrupting your production system.

5.1 Driving System Requirements

This section describes the environment of the driving system required to install Service Management Suite.

5.1.1 Machine Requirements

The driving system can run in any hardware environment that supports the required software.

5.1.2 Programming Requirements

Figure 5. Driving System Software Requirements

Program Number	Product Name	Minimum VRM	Minimum Service Level will satisfy these APARs	Included in the shipped product?
5650-ZOS	z/OS	V02.02.00 or higher	N/A	No

Note: SMP/E is a requirement for Installation and is an element of z/OS but can also be ordered as a separate product, 5655-G44, minimally V03.06.00.

Note: Installation might require migration to new z/OS releases to be service supported. See **https://www-01.ibm.com/software/support/lifecycle/index_z.html**.

The OMEGAMON for CICS TG on z/OS, OMEGAMON XE for Db2 Performance Expert on z/OS, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components are installed into a file system, either HFS or zFS.

Before installing these components, you must ensure that the target system file system data sets are available for processing on the driving system. OMVS must be active on the driving system and the target system file data sets must be mounted on the driving system.

If you plan to install these components in a zFS file system, this requires that zFS be active on the driving system. Information on activating and using zFS can be found in z/OS Distributed File Service zSeries File System Administration, SC24-5989.

5.2 Target System Requirements

This section describes the environment of the target system required to install and use Service Management Suite.

Service Management Suite installs in the z/OS (Z038) SREL.

5.2.1 Machine Requirements

The target system can run in any hardware environment that supports the required software.

5.2.2 Programming Requirements

5.2.2.1 Installation Requisites

Installation requisites identify products that are required and *must* be present on the system or products that are not required but *should* be present on the system for the successful installation of this product.

Mandatory installation requisites identify products that are required on the system for the successful installation of this product. These products are specified as PREs or REQs.

Figure 6. Target System Mandatory Installation Requisites

Program Number	Product Name	Minimum VRM	Minimum Service Level will satisfy these APARs	Included in the shipped product?
5650-ZOS	z/OS	V02.02.00 or higher	N/A	No
5698-A79	IBM Tivoli Management Services on z/OS	V06.03.00	N/A	No

Note: Installation might require migration to new z/OS releases to be service supported. See **http://www-03.ibm.com/systems/z/os/zos/support/zos_eos_dates.html**.

Conditional installation requisites identify products that are *not* required for successful installation of this product but can resolve such things as certain warning messages at installation time. These products are specified as IF REQs.

To view the Installation Requisites of the Netview, System Automation, and Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

Figure 7. Target System Conditional Installation Requisites

Program Number	Product Name	Minimum VRM	Minimum Svc Lvl to satisfy these APARs	Function for which this is a Req't	Included in the shipped product?
5655-W97	IBM MQ for z/OS	V08.00.00 or higher	N/A	CALLLIB	No
5655-MQ9	IBM MQ for z/OS	V09.00.00 or higher	N/A	CALLLIB	No

5.2.2.2 Operational Requisites

Operational requisites are products that are required and *must* be present on the system or products that are not required but *should* be present on the system for this product to operate all or part of its functions.

Mandatory operational requisites identify products that are required for this product to operate its basic functions.

Figure 8. Target System Mandatory Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level
5650-ZOS	z/OS V02.02.00 or higher
5698-A79	IBM Tivoli Management Services on z/OS V06.03.00 or higher
Any **one** of the following:	
5615-Db2	IBM Db2 for z/OS V11.01.00
5650-Db2	IBM Db2 for z/OS V12.01.00
5697-P43	IBM Db2 Value Unit Edition V11.00.00
5770-AF3	IBM Db2 Value Unit Edition V12.01.00
5655-Y04	CICS Transaction Server for z/OS V05.02.00 or higher
5635-A05	IBM IMS V14.01.00 or higher
5635-A06	IBM IMS V15.01.00
5655-R32	IBM 64-bit SDK for z/OS, Java 2 Technology Edition, V6
5655-W43	IBM 31-bit SDK for z/OS, Java 2 Technology Edition, V7.1
5655-W44	IBM 64-bit SDK for z/OS, Java 2 Technology Edition, V7.1
5655-DGG	IBM 31-bit SDK for z/OS, Java 2 Technology Edition, V8
5655-DGH	IBM 64-bit SDK for z/OS, Java 2 Technology Edition, V8

Conditional operational requisites identify products that are *not* required for this product to operate its basic functions but are required at run time for this product to operate specific functions. These products are specified as IF REQs.

Figure 9 (Page 1 of 2). Target System Conditional Operational Requisites

Program Number	Product Name and Minimum VRM/Service Level
One or more of the following:	
5655-Y20	IBM CICS Transaction Gateway for z/OS V09.00.00 or higher
5615-Db2	IBM Db2 for z/OS V11.01.00 or higher
5650-Db2	IBM Db2 for z/OS V12.01.00 or higher

Figure 9 (Page 2 of 2). Target System Conditional Operational Requisites	
Program Number	**Product Name and Minimum VRM/Service Level**
5635-A05	IBM IMS V14.01.00 or higher
5635-A06	IBM IMS V15.01.00
5655-W97	IBM MQ for z/OS V08.00.00 or higher
5655-MQ9	IBM MQ for z/OS V09.00.00 or higher
5655-W65	WebSphere Application Server for z/OS V08.05.00 or higher
5655-Y04	CICS Transaction Server for z/OS V05.02.00 or higher
5655-S56	IMS Connect Extensions for z/OS V02.04.00 or higher
5697-P43	IBM Db2 Value Unit Edition V11.00.00
5655-AB1	IBM Integration Bus for z/OS V10.00.00 or higher
5655-SDK	IBM SDK for Node.js - z/OS V06.00.x

Note: Please refer to the Planning and Configuration Guide for additional details on installation and configuration of Node.js.

To support the latest version of the OSA Express MIB, the Licensed Internal Code (LIC) levels of the OSA-Express adapters must meet the following criteria:

- If you are running the OSA module on an IBM eServer¸ zSeries 900 or 800 system, you must have a licensed internal code (LIC) version of 3.33 or higher installed.
- If you are running the OSA module on an IBM eServer Series 990 processor or higher, all LIC levels are supported.

To view the Operational Requisites of the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

5.2.2.3 Toleration/Coexistence Requisites

Toleration/coexistence requisites identify products that must be present on sharing systems. These systems can be other systems in a multisystem environment (not necessarily sysplex), a shared DASD environment (such as test and production), or systems that reuse the same DASD environment at different time intervals.

Service Management Suite has no toleration/coexistence requisites.

5.2.2.4 Incompatibility (Negative) Requisites

Negative requisites identify products that must *not* be installed on the same system as this product.

Service Management Suite has no negative requisites.

5.2.3 DASD Storage Requirements

Service Management Suite libraries can reside on all supported DASD types.

Figure 10 lists the total space that is required for each type of library.

Figure 10. Total DASD Space Required by Service Management Suite

Library Type	Total Space Required in 3390 Trks
Target	12946
Distribution	13322
File System(s)	900

Notes:

1. If you are installing into an existing environment that has the data sets in Figure 13 on page 23 and Figure 15 on page 27 already allocated, ensure sufficient disk space and directory blocks are available to support the requirement listed. This might require you to reallocate some data sets to avoid x37 abends.
2. Use system determined block sizes for efficient DASD utilization for all non-RECFM U data sets. For RECFM U data sets, a block size of 32760 is recommended, which is the most efficient from a performance and DASD utilization perspective.
3. Abbreviations used for data set types are shown as follows.

   U Unique data set, allocated by this product and used by only this product. This table provides all the required information to determine the correct storage for this data set. You do not need to refer to other tables or program directories for the data set size.

   S Shared data set, allocated by this product and used by this product and other products. To determine the correct storage needed for this data set, add the storage size given in this table to those given in other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

   E Existing shared data set, used by this product and other products. This data set is *not* allocated by this product. To determine the correct storage for this data set, add the storage size given in this table to those given in other tables (perhaps in other program directories). If the data set already exists, it must have enough free space to accommodate the storage size given in this table.

If you currently have a previous release of this product installed in these libraries, the installation of this release will delete the old release and reclaim the space that was used by the old release and any service that had been installed. You can determine whether these libraries have enough space by deleting the old release with a dummy function, compressing the libraries, and comparing the space requirements with the free space in the libraries.

For more information about the names and sizes of the required data sets, see 6.1.6, “Allocate SMP/E Target and Distribution Libraries” on page 58.

4. Abbreviations used for the file system path type are as follows.

   N New path, created by this product.
   X Path created by this product, but might already exist from a previous release.
   P Previously existing path, created by another product.

5. All target and distribution libraries listed have the following attributes:

   - The default name of the data set can not be changed.
   - The default block size of the data set can be changed.
   - The data set can not be merged with another data set that has equivalent characteristics.
   - The data set can be either a PDS or a PDSE, with some exceptions. If the value in the "ORG" column specifies "PDS", the data set must be a PDS. If the value in "DIR Blks" column specifies "N/A", the data set must be a PDSE.

6. All target libraries listed have the following attributes:

   - These data sets can be SMS-managed, but they are not required to be SMS-managed.
   - These data sets are not required to reside on the IPL volume.
   - The values in the "Member Type" column are not necessarily the actual SMP/E element types that are identified in the SMPMCS.

7. All target libraries that are listed and contain load modules have the following attributes:

   - These data sets can not be in the LPA, with some exceptions. If the value in the "Member Type" column specifies "LPA", it is advised to place the data set in the LPA.
   - These data sets can be in the LNKLST except for TKANMODR and TKANMODS.

If you are installing into an existing environment, ensure the values used for the SMP/E work datasets reflect the minimum values shown in Figure 11. Check the corresponding DDDEF entries in all zones because use of values lower than these can result in failures in the installation process. Refer to the SMP/E manuals for instructions on updating DDDEF entries.

Figure 11 (Page 1 of 2). Storage Requirements for SMP/E Work Data Sets

Library DDNAME	TYPE	ORG	RECFM	LRECL	Prim No. of 3390 Trks	Sec No. of 3390 Trks	No. of DIR Blks
SMPWRK1	E	PDS	FB	80	150	150	220

Figure 11 (Page 2 of 2). Storage Requirements for SMP/E Work Data Sets

Library DDNAME	TYPE	ORG	RECFM	LRECL	Prim No. of 3390 Trks	Sec No. of 3390 Trks	No. of DIR Blks
SMPWRK2	E	PDS	FB	80	150	150	220
SMPWRK3	E	PDS	FB	80	300	600	1320
SMPWRK4	E	PDS	FB	80	150	150	220
SMPWRK6	E	PDS	FB	80	300	1500	660
SYSUT1	E	SEQ	--	--	75	75	0
SYSUT2	E	SEQ	--	--	75	75	0
SYSUT3	E	SEQ	--	--	75	75	0
SYSUT4	E	SEQ	--	--	75	75	0

If you are installing into an existing environment, ensure the current SMP/E support dataset allocations reflect the minimum values shown in Figure 12. Check the space and directory block allocation and reallocate the data sets, if necessary.

Figure 12. Storage Requirements for SMP/E Data Sets

Library DDNAME	TYPE	ORG	RECFM	LRECL	Prim No. of 3390 Trks	Sec No. of 3390 Trks	No. of DIR Blks
SMPLTS	E	PDSE	U	0	15	150	N/A
SMPMTS	E	PDS	FB	80	15	150	220
SMPPTS	E	PDSE	FB	80	300	1500	N/A
SMPSCDS	E	PDS	FB	80	15	150	220
SMPSTS	E	PDS	FB	80	15	150	220

Figure 13 and Figure 15 on page 27 describe the target and distribution libraries and file system paths that will be allocated by this product's install jobs or that will be required for installation. The space requirements reflect what is specified in the allocation job or the space that this product will require in existing libraries. Additional tables are provided to show the specific space required for libraries that are used by each FMID. See 5.2.4, “DASD Storage Requirements by FMID” on page 29 for more information.

The storage requirements of Service Management Suite must be added to the storage required by other programs having data in the same library or path.

Figure 13 (Page 1 of 2). Storage Requirements for Service Management Suite Target Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNAUTH	LMOD	Any	U	PDSE	U	0	30	N/A
SCYNINST	Sample	Any	U	PDS	FB	80	30	132
SCYNINS1	Sample	Any	U	PDS	FB	80	30	132
SCYNPKGI	Data	Any	U	PDS	FB	80	30	132
SCYNPROC	Sample	Any	U	PDS	FB	80	30	132
SEIWPKGI	Data	Any	U	PDS	FB	80	30	132
SIZDEXEC	CLIST	Any	U	PDS	FB	80	30	132
SIZDINST	JCL	Any	U	PDS	FB	80	30	132
SIZDLOAD	Samples	Any	U	PDS	U	0	105	132
SIZDMAPS	CLIST	Any	U	PDS	VB	1024	30	132
SIZDMESG	CLIST	Any	U	PDS	FB	80	30	132
SIZDSAMP	Samples	Any	U	PDS	FB	80	45	132
TKANCLI	CLIST	Any	S	PDS	FB	80	30	132
TKANCMD	Parm	Any	E	PDS	FB	80	17	33
TKANCUS	CLIST	Any	E	PDS	FB	80	309	179
TKANDATR	Data	Any	S	PDS	FB	160	75	132
TKANDATV	Data	Any	E	PDS	VB	6160	2650	44
TKANEXEC	EXEC	Any	S	PDS	VB	255	135	220
TKANHENU	Help	Any	E	PDS	FB	80	638	329
TKANISP	CLIST	Any	S	PDS	FB	80	30	132
TKANMAC	Macro	Any	E	PDS	FB	80	19	11
TKANMOD	LMOD	Any	E	PDS	U	0	1832	548
TKANMODL	LMOD	Any	E	PDS	U	0	2120	167
TKANMODP	LMOD	Any	S	PDSE	U	0	405	N/A :row .
TKANMODR	LMOD	Any	S	PDS	U	0	30	132
TKANMODS	LMOD	Any	E	PDS	U	0	220	148
TKANOSRC	Data	Any	S	PDS	VB	255	30	132
TKANPAR	Parm	Any	E	PDS	FB	80	73	30

Figure 13 (Page 2 of 2). Storage Requirements for Service Management Suite Target Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANPENU	Panel	Any	E	PDS	FB	80	976	520
TKANPKGI	Data	Any	E	PDS	FB	80	228	34
TKANSAM	Sample	Any	E	PDS	FB	80	129	78
TKANSAMF	Sample	Any	S	PDS	FB	132	30	132
TKANSAMV	Sample	Any	S	PDS	VB	255	30	132
TKANSQL	SQL	Any	E	PDS	FB	80	25	57
TKANUTIN	UTIN	Any	S	PDS	FB	80	30	132
TKANWENU	Panel	Any	S	PDS	FB	80	540	528
TKOBDATF	Data	Any	S	PDS	FB	80	30	132
TKOBHELP	Help	Any	S	PDS	FB	80	45	176
TKOCHELP	Help	Any	U	PDS	FB	80	30	132
TKOCPROC	Panel	Any	U	PDS	FB	80	120	528
TKOIHELP	Help	Any	U	PDS	FB	80	60	308
TKOIPROC	Panel	Any	U	PDS	FB	80	150	572
TKOMHELP	Help	Any	U	PDS	FB	80	75	352
TKOMPROC	Panel	Any	U	PDS	FB	80	105	440
TKO2DATA	Data	Any	S	PDS	VB	9072	30	132
TKO2DBRM	Data	Any	S	PDS	FB	80	75	132
TKO2EXEC	EXEC	Any	S	PDS	FB	80	60	132
TKO2HELP	Help	Any	S	PDS	FB	80	45	176
TKO2MENU	Message	Any	S	PDS	FB	80	30	132
TKO2PENU	Panel	Any	S	PDS	FB	80	255	616
TKO2PROC	Panel	Any	S	PDS	FB	80	345	616
TKO2SAMP	Sample	Any	S	PDS	FB	80	195	176
TKO2SLIB	Sample	Any	S	PDS	FB	80	30	132
TKO2TENU	Table	Any	S	PDS	FB	80	30	132
TKO2WS01	Data	Any	S	PDS	VB	256	285	132

Figure 14 (Page 1 of 2). Service Management Suite File System Paths

DDNAME	TYPE	Path Name
SCYNZBIN	N	/usr/lpp/itcam/WebSphere/DC/bin/IBM/
SCYNZETC	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/IBM/
SCYNZWAS	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/IBM/
SCYNZESB	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/esb/ IBM/
SCYNZPRS	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/prs/ IBM/
SCYNZW5	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was5/ IBM/
SCYNZW51	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was51/ IBM/
SCYNZW6	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was6/ IBM/
SCYNZW60	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was60/ IBM/
SCYNZW61	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was61/ IBM/
SCYNZEW7	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was7/ IBM/
SCYNZE70	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was70/ IBM/
SCYNZEW8	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was8/ IBM/
SCYNZWPS	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps/ IBM/
SCYNZILB	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/IBM/
SCYNZLBE	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/IBM/
SCYNZLAX	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/axis/ IBM/
SCYNZLW	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/ IBM/
SCYNZLW6	N	/usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/ was6/IBM/
SCYNZTCO	N	/usr/lpp/itcam/WebSphere/DC/toolkit/codeset/IBM/
SCYNZTET	N	/usr/lpp/itcam/WebSphere/DC/toolkit/etc/IBM/
SCYNZTLB	N	/usr/lpp/itcam/WebSphere/DC/toolkit/lib/IBM/
SCYNZTLE	N	/usr/lpp/itcam/WebSphere/DC/toolkit/lib/ext/IBM/
SCYNZTMC	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/C/IBM/
SCYNZTMD	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/de/IBM/
SCYNZTME	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/es/IBM/
SCYNZTMF	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/fr/IBM/
SCYNZTMI	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/it/IBM/
SCYNZTMJ	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/ja/IBM/
SCYNZTMK	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/ko/IBM/

Figure 14 (Page 2 of 2). Service Management Suite File System Paths

DDNAME	TYPE	Path Name
SCYNZTMP	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/pt_BR/IBM/
SCYNZTMN	N	/usr/lpp/itcam/WebSphere/DC/toolkit/msg/zh_CN/IBM/
SEIWLIB	N	/usr/lpp/opmei/v540/lib/IBM
TKANJAR	N	/usr/lpp/kan/bin/IBM

Figure 15 (Page 1 of 3). Storage Requirements for Service Management Suite Distribution Libraries

Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
ACYNAUTH	U	PDSE	U	0	30	N/A
ACYNHFS	U	PDS	VB	8796	675	176
ACYNINST	U	PDS	FB	80	30	132
ACYNINS1	U	PDS	FB	80	30	132
ACYNPKGI	U	PDS	FB	80	30	132
ACYNPROC	U	PDS	FB	80	30	132
AEIWLIB	U	PDS	VB	255	165	132
AEIWPKGI	U	PDS	FB	80	30	132
AIZDEXEC	U	PDS	FB	80	30	132
AIZDINST	U	PDS	FB	80	30	132
AIZDLOAD	U	PDS	U	0	105	132
AIZDMAPS	U	PDS	VB	1024	30	132
AIZDMESG	U	PDS	FB	80	30	132
AIZDSAMP	U	PDS	FB	80	45	132
DKANCLI	S	PDS	FB	80	30	132
DKANCMD	E	PDS	FB	80	17	33
DKANCUS	E	PDS	FB	80	309	179
DKANDATR	S	PDS	FB	160	75	132
DKANDATV	E	PDS	VB	6160	2441	44
DKANEXEC	S	PDS	VB	255	135	220

Figure 15 (Page 2 of 3). Storage Requirements for Service Management Suite Distribution Libraries

Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANHENU	E	PDS	FB	80	638	319
DKANISP	S	PDS	FB	80	30	132
DKANJAR	S	PDS	VB	255	375	132
DKANMAC	E	PDS	FB	80	19	11
DKANMOD	E	PDS	U	0	1445	784
DKANMODL	E	PDS	U	0	2226	230
DKANMODP	S	PDSE	U	0	135	N/A
DKANMODR	S	PDS	U	0	30	132
DKANMODS	E	PDS	U	0	191	102
DKANOSRC	S	PDS	VB	255	30	132
DKANPAR	E	PDS	FB	80	73	30
DKANPENU	E	PDS	FB	80	976	520
DKANPKGI	E	PDS	FB	80	228	34
DKANSAM	E	PDS	FB	80	129	78
DKANSAMF	S	PDS	FB	80	30	132
DKANSAMV	S	PDS	VB	255	30	132
DKANSQL	E	PDS	FB	80	25	57
DKANUTIN	S	PDS	FB	80	30	132
DKANWENU	S	PDS	FB	80	540	528
DKOBDATF	S	PDS	FB	80	30	132
DKOBHELP	S	PDS	FB	80	45	176
DKOCHELP	U	PDS	FB	80	30	132
DKOCPROC	U	PDS	FB	80	120	528
DKOIHELP	U	PDS	FB	80	60	308
DKOIPROC	U	PDS	FB	80	150	572
DKOMHELP	U	PDS	FB	80	75	352
DKOMPROC	U	PDS	FB	80	105	440
DKO2DATA	S	PDS	VB	9072	30	132
DKO2DBRM	S	PDS	FB	80	75	132

Figure 15 (Page 3 of 3). Storage Requirements for Service Management Suite Distribution Libraries

Library DDNAME	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKO2EXEC	S	PDS	FB	80	60	132
DKO2HELP	S	PDS	FB	80	45	176
DKO2MENU	S	PDS	FB	80	30	132
DKO2PENU	S	PDS	FB	80	255	616
DKO2PROC	S	PDS	FB	80	345	616
DKO2SAMP	S	PDS	FB	80	195	176
DKO2SLIB	S	PDS	FB	80	30	132
DKO2TENU	S	PDS	FB	80	30	132
DKO2WS01	S	PDS	VB	256	285	132

5.2.4 DASD Storage Requirements by FMID

The tables in this section can help determine the specific space required for components not already installed in an existing environment. There is a table for each FMID included with the product.

Figure 16 (Page 1 of 2). Storage Requirements for HKM5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCLI	CLIST	Any	S	PDS	FB	80	1	2
TKANCMD	Parm	Any	E	PDS	FB	80	17	33
TKANCUS	CLIST	Any	E	PDS	FB	80	23	25
TKANDATV	Data	Any	E	PDS	VB	6160	238	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	3	8
TKANHENU	Help	Any	E	PDS	FB	80	44	21
TKANISP	CLIST	Any	S	PDS	FB	80	1	2
TKANMAC	Macro	Any	E	PDS	FB	80	4	2
TKANMOD	LMOD	Any	E	PDS	U	0	24	12
TKANMODL	LMOD	Any	E	PDS	U	0	336	34
TKANMODP	LMOD	Any	E	PDS	U	0	26	N/A

Figure 16 (Page 2 of 2). Storage Requirements for HKM5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANPAR	Parm	Any	E	PDS	FB	80	6	3
TKANPKGI	Data	Any	E	PDS	FB	80	28	2
TKANSAM	Sample	Any	E	PDS	FB	80	7	5
TKANWENU	Panel	Any	S	PDS	FB	80	73	45
TKOMHELP	Help	Any	U	PDS	FB	80	56	261
TKOMPROC	Panel	Any	U	PDS	FB	80	77	340
DKANCLI			S	PDS	FB	80	1	2
DKANCMD			E	PDS	FB	80	17	33
DKANCUS			E	PDS	FB	80	23	25
DKANDATV			E	PDS	VB	6160	238	4
DKANEXEC			S	PDS	VB	255	3	8
DKANHENU			E	PDS	FB	80	44	21
DKANISP			S	PDS	FB	80	1	2
DKANMAC			E	PDS	FB	80	4	2
DKANMOD			E	PDS	U	0	1	2
DKANMODL			E	PDS	U	0	361	45
DKANMODP			E	PDS	U	0	5	N/A
DKANPAR			E	PDS	FB	80	6	3
DKANPKGI			E	PDS	FB	80	28	2
DKANSAM			E	PDS	FB	80	7	5
DKANWENU			S	PDS	FB	80	73	45
DKOMHELP			U	PDS	FB	80	56	261
DKOMPROC			U	PDS	FB	80	77	340

Figure 17 (Page 1 of 3). Storage Requirements for HKOB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	13	15

Figure 17 (Page 2 of 3). Storage Requirements for HKOB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANDATV	Data	Any	E	PDS	VB	6160	1	2
TKANEXEC	EXEC	Any	S	PDS	VB	255	21	15
TKANHENU	Help	Any	E	PDS	FB	80	12	13
TKANISP	CLIST	Any	S	PDS	FB	80	1	2
TKANMAC	Macro	Any	E	PDS	FB	80	8	3
TKANMOD	LMOD	Any	E	PDS	U	0	121	19
TKANMODL	LMOD	Any	E	PDS	U	0	12	2
TKANMODP	LMOD	Any	S	PDSE	U	0	330	N/A
TKANMODS	LMOD	Any	E	PDS	U	0	74	56
TKANOSRC	Data	Any	S	PDS	VB	255	5	5
TKANPAR	Parm	Any	E	PDS	FB	80	1	2
TKANPKGI	Data	Any	E	PDS	FB	80	15	2
TKANSAM	Sample	Any	E	PDS	FB	80	3	3
TKANWENU	Panel	Any	S	PDS	FB	80	74	67
TKOBDATF	Data	Any	S	PDS	FB	80	2	2
TKOBHELP	Help	Any	S	PDS	FB	80	17	66
DKANCUS			E	PDS	FB	80	13	15
DKANDATV			E	PDS	VB	6160	1	2
DKANEXEC			S	PDS	VB	255	21	15
DKANHENU			E	PDS	FB	80	12	13
DKANISP			S	PDS	FB	80	1	2
DKANMAC			E	PDS	FB	80	8	3
DKANMOD			E	PDS	U	0	125	90
DKANMODL			E	PDS	U	0	12	2
DKANMODP			S	PDSE	U	0	81	N/A
DKANMODS			E	PDS	U	0	61	3
DKANOSRC			S	PDS	VB	255	5	5
DKANPAR			E	PDS	FB	80	1	2
DKANPKGI			E	PDS	FB	80	15	2

Figure 17 (Page 3 of 3). Storage Requirements for HKOB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANSAM			E	PDS	FB	80	3	3
DKANWENU			S	PDS	FB	80	74	67
DKOBDATF			S	PDS	FB	80	2	2
DKOBHELP			S	PDS	FB	80	17	66

Figure 18. Storage Requirements for HKSB750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANDATV	Data	Any	E	PDS	VB	6160	6	2
TKANMOD	LMOD	Any	E	PDS	U	0	122	5
TKANMODL	LMOD	Any	E	PDS	U	0	33	11
TKANPKGI	Data	Any	E	PDS	FB	80	3	2
DKANDATV			E	PDS	VB	6160	6	2
DKANMOD			E	PDS	U	0	22	11
DKANMODL			E	PDS	U	0	33	10
DKANPKGI			E	PDS	FB	80	3	2

Figure 19 (Page 1 of 2). Storage Requirements for HKN3550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	9	2
TKANDATV	Data	Any	E	PDS	VB	6160	332	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	6	11
TKANHENU	Help	Any	E	PDS	FB	80	63	15
TKANMOD	LMOD	Any	E	PDS	U	0	41	7
TKANMODL	LMOD	Any	E	PDS	U	0	89	10

Figure 19 (Page 2 of 2). Storage Requirements for HKN3550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANMODS	LMOD	Any	E	PDS	U	0	42	15
TKANPAR	Parm	Any	E	PDS	FB	80	7	2
TKANPENU	Panel	Any	E	PDS	FB	80	3	3
TKANPKGI	Data	Any	E	PDS	FB	80	9	2
TKANSAM	Sample	Any	E	PDS	FB	80	1	2
TKANWENU	Panel	Any	S	PDS	FB	80	58	28
DKANCUS			E	PDS	FB	80	9	2
DKANDATV			E	PDS	VB	6160	332	3
DKANEXEC			S	PDS	VB	255	6	11
DKANHENU			E	PDS	FB	80	63	15
DKANMOD			E	PDS	U	0	40	46
DKANMODL			E	PDS	U	0	106	11
DKANMODS			E	PDS	U	0	18	13
DKANPAR			E	PDS	FB	80	7	2
DKANPENU			E	PDS	FB	80	3	3
DKANPKGI			E	PDS	FB	80	9	2
DKANSAM			E	PDS	FB	80	1	2
DKANWENU			S	PDS	FB	80	58	28

Figure 20 (Page 1 of 2). Storage Requirements for HKS3550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	49	37
TKANDATR	Data	Any	S	PDS	FB	160	54	43
TKANDATV	Data	Any	E	PDS	VB	6160	710	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	20	22
TKANHENU	Help	Any	E	PDS	FB	80	124	80
TKANMOD	LMOD	Any	E	PDS	U	0	190	15

Figure 20 (Page 2 of 2). Storage Requirements for HKS3550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANMODL	LMOD	Any	E	PDS	U	0	445	44
TKANMODS	LMOD	Any	E	PDS	U	0	1	2
TKANOSRC	Data	Any	S	PDS	VB	255	1	3
TKANPAR	Parm	Any	E	PDS	FB	80	7	3
TKANPENU	Panel	Any	E	PDS	FB	80	6	5
TKANPKGI	Data	Any	E	PDS	FB	80	20	2
TKANSAM	Sample	Any	E	PDS	FB	80	13	13
TKANSQL	SQL	Any	E	PDS	FB	80	25	57
TKANWENU	Panel	Any	S	PDS	FB	80	56	52
DKANCUS			E	PDS	FB	80	49	37
DKANDATR			S	PDS	FB	160	54	43
DKANDATV			E	PDS	VB	6160	710	4
DKANEXEC			S	PDS	VB	255	20	22
DKANHENU			E	PDS	FB	80	124	80
DKANMOD			E	PDS	U	0	80	30
DKANMODL			E	PDS	U	0	452	47
DKANMODS			E	PDS	U	0	1	2
DKANOSRC			S	PDS	VB	255	1	3
DKANPAR			E	PDS	FB	80	7	3
DKANPENU			E	PDS	FB	80	6	5
DKANPKGI			E	PDS	FB	80	20	2
DKANSAM			E	PDS	FB	80	13	13
DKANSQL			E	PDS	FB	80	25	57
DKANWENU			S	PDS	FB	80	56	52

Figure 21. Storage Requirements for HKWO550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	7	2
TKANMOD	LMOD	Any	E	PDS	U	0	1	2
TKANPKGI	Data	Any	E	PDS	FB	80	2	2
DKANCUS			E	PDS	FB	80	7	2
DKANMOD			E	PDS	U	0	1	2
DKANPKGI			E	PDS	FB	80	2	2

Figure 22 (Page 1 of 2). Storage Requirements for HKC5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	47	33
TKANDATV	Data	Any	E	PDS	VB	6160	246	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	20	28
TKANHENU	Help	Any	E	PDS	FB	80	165	112
TKANMAC	Macro	Any	E	PDS	FB	80	7	6
TKANMOD	LMOD	Any	E	PDS	U	0	266	40
TKANMODL	LMOD	Any	E	PDS	U	0	118	4
TKANMODR	LMOD	Any	S	PDS	U	0	1	2
TKANMODS	LMOD	Any	E	PDS	U	0	100	70
TKANOSRC	Data	Any	S	PDS	VB	255	1	2
TKANPAR	Parm	Any	E	PDS	FB	80	12	3
TKANPENU	Panel	Any	E	PDS	FB	80	967	512
TKANPKGI	Data	Any	E	PDS	FB	80	55	3
TKANSAM	Sample	Any	E	PDS	FB	80	62	35
TKANWENU	Panel	Any	S	PDS	FB	80	67	60
TKOCHELP	Help	Any	U	PDS	FB	80	6	22
TKOCPROC	Panel	Any	U	PDS	FB	80	102	438
DKANCUS			E	PDS	FB	80	47	33

Figure 22 (Page 2 of 2). Storage Requirements for HKC5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANDATV			E	PDS	VB	6160	246	4
DKANEXEC			S	PDS	VB	255	20	28
DKANHENU			E	PDS	FB	80	165	112
DKANMAC			E	PDS	FB	80	7	6
DKANMOD			E	PDS	U	0	151	116
DKANMODL			E	PDS	U	0	132	26
DKANMODR			S	PDS	U	0	1	2
DKANMODS			E	PDS	U	0	107	79
DKANOSRC			S	PDS	VB	255	1	2
DKANPAR			E	PDS	FB	80	12	3
DKANPENU			E	PDS	FB	80	967	512
DKANPKGI			E	PDS	FB	80	55	3
DKANSAM			E	PDS	FB	80	62	35
DKANWENU			S	PDS	FB	80	67	60
DKOCHELP			U	PDS	FB	80	6	22
DKOCPROC			U	PDS	FB	80	102	438

Figure 23 (Page 1 of 2). Storage Requirements for HKGW550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	15	10
TKANDATV	Data	Any	E	PDS	VB	6160	19	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	1	3
TKANHENU	Help	Any	E	PDS	FB	80	5	4
TKANMOD	LMOD	Any	E	PDS	U	0	6	4
TKANMODL	LMOD	Any	E	PDS	U	0	20	2
TKANMODP	LMOD	Any	S	PDSE	U	0	8	N/A
TKANMODS	LMOD	Any	E	PDS	U	0	3	4

Figure 23 (Page 2 of 2). Storage Requirements for HKGW550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANPAR	Parm	Any	E	PDS	FB	80	2	2
TKANPKGI	Data	Any	E	PDS	FB	80	3	3
TKANUTIN	UTIN	Any	S	PDS	FB	80	1	2
TKANWENU	Panel	Any	S	PDS	FB	80	4	4
DKANCUS			E	PDS	FB	80	15	10
DKANDATV			E	PDS	VB	6160	19	3
DKANEXEC			S	PDS	VB	255	1	3
DKANHENU			E	PDS	FB	80	5	4
DKANJAR			S	PDS	VB	255	1	2
DKANMOD			E	PDS	U	0	5	4
DKANMODL			E	PDS	U	0	20	4
DKANMODP			S	PDSE	U	0	4	N/A
DKANMODS			E	PDS	U	0	4	5
DKANPAR			E	PDS	FB	80	2	2
DKANPKGI			E	PDS	FB	80	3	3
DKANUTIN			S	PDS	FB	80	1	2
DKANWENU			S	PDS	FB	80	4	4

Figure 24. Storage Requirements for HKDB54X Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	2	1
TKANMOD	LMOD	Any	E	PDS	U	0	1	1
TKANPKGI	Data	Any	E	PDS	FB	80	4	2
DKANCUS			E	PDS	FB	80	2	1
DKANMOD			E	PDS	U	0	1	1
DKANPKGI			E	PDS	FB	80	4	2

Figure 25 (Page 1 of 2). Storage Requirements for HKDB540 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCLI	CLIST	Any	S	PDS	FB	80	2	1
TKANCUS	CLIST	Any	E	PDS	FB	80	62	6
TKANDATV	Data	Any	E	PDS	VB	6160	209	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	10	11
TKANHENU	Help	Any	E	PDS	FB	80	91	19
TKANMOD	LMOD	Any	E	PDS	U	0	813	400
TKANMODL	LMOD	Any	E	PDS	U	0	134	11
TKANOSRC	Data	Any	S	PDS	VB	255	2	1
TKANPAR	Parm	Any	E	PDS	FB	80	15	2
TKANPKGI	Data	Any	E	PDS	FB	80	37	1
TKANSAM	Sample	Any	E	PDS	FB	80	8	4
TKANSAMF	Sample	Any	S	PDS	FB	132	12	6
TKANSAMV	Sample	Any	S	PDS	VB	255	10	15
TKANWENU	Panel	Any	S	PDS	FB	80	88	64
TKO2DATA	Data	Any	S	PDS	VB	9072	7	1
TKO2DBRM	Data	Any	S	PDS	FB	80	53	23
TKO2EXEC	EXEC	Any	S	PDS	FB	80	34	8
TKO2HELP	Help	Any	S	PDS	FB	80	29	69
TKO2MENU	Message	Any	S	PDS	FB	80	7	19
TKO2PENU	Panel	Any	S	PDS	FB	80	232	518
TKO2PROC	Panel	Any	S	PDS	FB	80	316	495
TKO2SAMP	Sample	Any	S	PDS	FB	80	168	52
TKO2SLIB	Sample	Any	S	PDS	FB	80	4	3
TKO2TENU	Table	Any	S	PDS	FB	80	9	3
TKO2WS01	Data	Any	S	PDS	VB	256	266	3
DKANCLI			S	PDS	FB	80	2	1
DKANCUS			E	PDS	FB	80	62	6
DKANDATV			E	PDS	VB	6160	209	3
DKANEXEC			S	PDS	VB	255	10	11

Figure 25 (Page 2 of 2). Storage Requirements for HKDB540 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANHENU			E	PDS	FB	80	91	19
DKANMOD			E	PDS	U	0	813	400
DKANMODL			E	PDS	U	0	134	11
DKANOSRC			S	PDS	VB	255	2	1
DKANPAR			E	PDS	FB	80	15	2
DKANPKGI			E	PDS	FB	80	37	1
DKANSAM			E	PDS	FB	80	8	4
DKANSAMF			S	PDS	FB	132	12	6
DKANSAMV			S	PDS	VB	255	10	15
DKANWENU			S	PDS	FB	80	88	64
DKO2DATA			S	PDS	VB	9072	7	1
DKO2DBRM			S	PDS	FB	80	53	23
DKO2EXEC			S	PDS	FB	80	34	8
DKO2HELP			S	PDS	FB	80	29	69
DKO2MENU			S	PDS	FB	80	7	19
DKO2PENU			S	PDS	FB	80	232	518
DKO2PROC			S	PDS	FB	80	316	495
DKO2SAMP			S	PDS	FB	80	168	52
DKO2SLIB			S	PDS	FB	80	4	3
DKO2TENU			S	PDS	FB	80	9	3
DKO2WS01			S	PDS	VB	256	266	3

Figure 26. Storage Requirements for HPMZ540 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SEIWPKGI	Data	Any	U	PDS	FB	80	2	1
AEIWLIB			U	PDS	VB	255	147	1
AEIWPKGI			U	PDS	FB	80	2	1

Figure 27. Storage Requirements for HKI5550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	18	2
TKANDATV	Data	Any	E	PDS	VB	6160	153	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	20	10
TKANHENU	Help	Any	E	PDS	FB	80	35	20
TKANMOD	LMOD	Any	E	PDS	U	0	170	35
TKANMODL	LMOD	Any	E	PDS	U	0	172	30
TKANMODR	LMOD	Any	E	PDS	U	0	7	7
TKANPAR	Data	Any	E	PDS	FB	80	13	5
TKANPKGI	Data	Any	E	PDS	FB	80	34	2
TKANSAM	Sample	Any	E	PDS	FB	80	33	12
TKANWENU	Panel	Any	S	PDS	FB	80	20	30
TKOIHELP	HELP	Any	U	PDS	FB	80	37	189
TKOIPROC	Panel	Any	U	PDS	FB	80	133	449
DKANCUS			E	PDS	FB	80	18	2
DKANDATV			E	PDS	VB	6160	153	4
DKANEXEC			S	PDS	VB	255	20	10
DKANHENU			E	PDS	FB	80	35	20
DKANMOD			E	PDS	U	0	134	74
DKANMODL			E	PDS	U	0	211	55
DKANMODR			E	PDS	U	0	7	7
DKANPAR			E	PDS	FB	80	13	5
DKANPKGI			E	PDS	FB	80	34	2
DKANSAM			E	PDS	FB	80	33	12
DKANWENU			S	PDS	FB	80	20	30
DKOIHELP			U	PDS	FB	80	37	189
DKOIPROC			U	PDS	FB	80	133	449

Figure 28. Storage Requirements for HAAD710 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNINST	Sample	Any	U	PDS	FB	80	4	3
SCYNPKGI	Data	Any	U	PDS	FB	80	6	2
ACYNHFS			U	PDS	VB	8796	654	55
ACYNINST			U	PDS	FB	80	4	3
ACYNPKGI			U	PDS	FB	80	6	2

Figure 29. Storage Requirements for HAAD71C Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SCYNAUTH	LMOD	Any	U	PDSE	U	0	7	N/A
SCYNINS1	Sample	Any	U	PDS	FB	80	2	2
SCYNPKGI	Data	Any	U	PDS	FB	80	2	1
SCYNPROC	Sample	Any	U	PDS	FB	80	2	3
ACYNAUTH			U	PDSE	U	0	7	N/A
ACYNINS1			U	PDS	FB	80	2	2
ACYNPKGI			U	PDS	FB	80	2	1
ACYNPROC			U	PDS	FB	80	2	3

Figure 30 (Page 1 of 2). Storage Requirements for HKYN710 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	21	12
TKANDATV	Data	Any	E	PDS	VB	6160	311	2
TKANMODL	LMOD	Any	E	PDS	U	0	266	2
TKANPAR	Data	Any	E	PDS	FB	80	3	2
TKANPKGI	Data	Any	E	PDS	FB	80	1	2

Figure 30 (Page 2 of 2). Storage Requirements for HKYN710 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANCUS			E	PDS	FB	80	21	12
DKANDATV			E	PDS	VB	6160	311	2
DKANMODL			E	PDS	U	0	266	2
DKANPAR			E	PDS	FB	80	3	2
DKANPKGI			E	PDS	FB	80	1	2

Figure 31 (Page 1 of 2). Storage Requirements for HKQI750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	18	15
TKANDATV	Data	Any	E	PDS	VB	6160	187	6
TKANEXEC	EXEC	Any	S	PDS	VB	255	1	2
TKANHENU	HELP	Any	E	PDS	FB	80	12	7
TKANMOD	LMOD	Any	E	PDS	U	0	66	3
TKANMODL	LMOD	Any	E	PDS	U	0	99	2
TKANPAR	Data	Any	E	PDS	FB	80	3	2
TKANPKGI	Data	Any	E	PDS	FB	80	4	2
TKANSAM	Sample	Any	E	PDS	FB	80	1	2
TKANWENU	Panel	Any	S	PDS	FB	80	10	12
DKANCUS			E	PDS	FB	80	18	15
DKANDATV			E	PDS	VB	6160	187	6
DKANEXEC			S	PDS	VB	255	1	2
DKANHENU			E	PDS	FB	80	12	7
DKANMOD			E	PDS	U	0	64	3
DKANMODL			E	PDS	U	0	99	2
DKANPAR			E	PDS	FB	80	3	2
DKANPKGI			E	PDS	FB	80	4	2
DKANSAM			E	PDS	FB	80	1	2

Figure 31 (Page 2 of 2). Storage Requirements for HKQI750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANWENU			S	PDS	FB	80	10	12

Figure 32. Storage Requirements for HKMQ750 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	20	17
TKANDATV	Data	Any	E	PDS	VB	6160	203	3
TKANEXEC	EXEC	Any	S	PDS	VB	255	4	10
TKANHENU	HELP	Any	E	PDS	FB	80	78	17
TKANMOD	LMOD	Any	E	PDS	U	0	4	3
TKANMODL	LMOD	Any	E	PDS	U	0	370	11
TKANOSRC	Data	Any	S	PDS	VB	255	1	2
TKANPAR	Data	Any	E	PDS	FB	80	3	2
TKANPKGI	Data	Any	E	PDS	FB	80	5	2
TKANSAM	Sample	Any	E	PDS	FB	80	1	2
TKANWENU	Panel	Any	S	PDS	FB	80	55	59
DKANCUS			E	PDS	FB	80	20	17
DKANDATV			E	PDS	VB	6160	203	3
DKANEXEC			S	PDS	VB	255	4	10
DKANHENU			E	PDS	FB	80	78	17
DKANMOD			E	PDS	U	0	4	3
DKANMODL			E	PDS	U	0	370	11
DKANOSRC			S	PDS	VB	255	1	2
DKANPAR			E	PDS	FB	80	3	2
DKANPKGI			E	PDS	FB	80	5	2
DKANSAM			E	PDS	FB	80	1	2
DKANWENU			S	PDS	FB	80	55	59

Figure 33. Storage Requirements for HKJJ55U Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANMODL	LMOD	Any	E	PDS	U	0	1	2
TKANMODP	LMOD	Any	E	PDSE	U	0	2	N/A
TKANPKGI	Data	Any	E	PDS	FB	80	5	3
DKANJAR			E	PDS	VB	255	1	2
DKANMODL			E	PDS	U	0	4	2
DKANMODP			E	PDSE	U	0	1	N/A
DKANPKGI			E	PDS	FB	80	5	3

Figure 34 (Page 1 of 2). Storage Requirements for HKJJ550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
TKANCUS	CLIST	Any	E	PDS	FB	80	5	2
TKANDATV	Data	Any	E	PDS	VB	6160	35	4
TKANEXEC	EXEC	Any	S	PDS	VB	255	3	3
TKANHENU	Help	Any	E	PDS	FB	80	9	11
TKANMOD	LMOD	Any	E	PDS	U	0	1	2
TKANMODL	LMOD	Any	E	PDS	U	0	25	2
TKANMODP	LMOD	Any	E	PDSE	U	0	12	N/A
TKANPAR	Parm	Any	E	PDS	FB	80	1	2
TKANPKGI	Data	Any	E	PDS	FB	80	3	2
TKANWENU	Panel	Any	S	PDS	FB	80	9	12
DKANCUS			E	PDS	FB	80	5	2
DKANDATV			E	PDS	VB	6160	35	4
DKANEXEC			E	PDS	VB	255	3	3
DKANHENU			E	PDS	FB	80	9	11
DKANJAR			E	PDS	VB	255	345	5
DKANMOD			E	PDS	U	0	4	2
DKANMODL			E	PDS	U	0	26	2

Figure 34 (Page 2 of 2). Storage Requirements for HKJJ550 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
DKANMODP			E	PDSE	U	0	19	N/A
DKANPAR			E	PDS	FB	80	1	2
DKANPKGI			E	PDS	FB	80	3	2
DKANWENU			E	PDS	FB	80	9	12

Figure 35. Storage Requirements for HIZD310 Libraries

Library DDNAME	Member Type	Target Volume	TYPE	ORG	RECFM	LRECL	No. of 3390 Trks	No. of DIR Blks
SIZDINST	JCL	Any	U	PDS	FB	80	3	3
SIZDSAMP	Samples	Any	U	PDS	FB	80	25	3
SIZDEXEC	CLIST	Any	U	PDS	FB	80	20	3
SIZDLOAD	Samples	Any	U	PDS	U	0	65	12
SIZDMAPS	CLIST	Any	U	PDS	VB	1024	8	3
SIZDMESG	CLIST	Any	U	PDS	FB	80	3	3
AIZDINST			U	PDS	FB	80	3	3
AIZDSAMP			U	PDS	FB	80	25	3
AIZDEXEC			U	PDS	FB	80	20	3
AIZDLOAD			U	PDS	U	0	65	12
AIZDMAPS			U	PDS	VB	1024	8	3
AIZDMESG			U	PDS	FB	80	3	5

To review the individual DASD Storage Requirements of each of the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

5.3 FMIDs Deleted

Installing Service Management Suite might result in the deletion of other FMIDs. To see which FMIDs will be deleted, examine the ++VER statement in the SMPMCS of the product.

If you do not want to delete these FMIDs at this time, install Service Management Suite into separate SMP/E target and distribution zones.

Note: These FMIDs are not automatically deleted from the Global Zone. If you want to delete these FMIDs from the Global Zone, use the SMP/E REJECT NOFMID DELETEFMID command. See the SMP/E Commands documentation for details.

5.4 Special Considerations

To effectively manage a suite of products with common components, you can install products into shared zones of a consolidated software inventory (CSI). Space requirements are reduced by installing products into shared CSI zones avoiding the duplication when different target zones, distribution zones, and data sets are used. Sharing a common set of zones also allows SMP/E to automatically manage IFREQ situations that exist across product components.

If you intend to share a Tivoli Enterprise Monitoring Server on z/OS with other products, use shared CSI zones so product configuration sets up the runtime environment correctly.

The installation of Service Management Suite requires the Tivoli Enterprise Monitoring Server on z/OS be installed in the CSI. Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for installation instructions of its product components.

Prior to installing the products included in Service Management Suite, IBM recommends you review the OMEGAMON shared documentation V6.3.0 Fix Pack 2 and above, **What's new in PARMGEN**, the Quick Start Guide, as well as the **First time deployment guide (FTU installation and tasks)**, and the Planning and Configuring topics for general planning and configuration flow. This documentation focuses on the things you will need to know for a successful installation and configuration of the product components included in this package.

The **OMEGAMON and Tivoli Management Services on z/OS** shared documentation, and other Tivoli product documentation can be found at the IBM Knowledge Center URL listed below:

http://www.ibm.com/support/knowledgecenter/SSAUBV/

The **First time deployment guide (FTU installation and configuration tasks)** documentation can be found on the IBM Knowledge Center at:

http://www.ibm.com/support/knowledgecenter/SSAUBV/
com.ibm.omegamon_share.doc_6.3.0.2/ftu/ftu_cfg_intro.htm

If you are installing into an existing CSI zone that contains the listed FMIDs, ensure the maintenance has been installed previously or it must be installed with this product package.

```
HKCI310 - UJ01973
HKDS630 - UA91244 UA91245
HKLV630 - UA91247 UA91248
```

New DDDEFs and allocations were introduced via the service process and must be present in the CSI before the APPLY job is executed.

- PTFs UK81687 (HAAD71C FMID) and UA78769 (HIZD310 FMID), SMP/E SMPTLOAD DDDEF, ensure that SMPTLOAD is defined in the CSI.
- PTFs UI50238, UI55595 (HAAD710 FMID) - SCYNZEW9 DDDEF, and UI58254 - SCYNZMSJ DDDEF, and respective zFS directory allocations.

The following sample job is provided to make these definitions, change all occurrences of the following lowercase variables to values suitable for your installation before submitting.

```
  #globalcsi - The dsname of your global CSI.
  #tzone - The name of the SMP/E target zone.
  #dzone - The name of the SMP/E distribution zone.
  #/u/itcamad71 - The DC home path prefix.

//SMPDDDEF JOB 'ACCOUNT INFORMATION','SMP/E-DDDEF',
//       CLASS=A,MSGCLASS=X,MSGLEVEL=(1,1),NOTIFY=&SYSUID
//*************************************************************
//*             D e f i n e   D D D E F   E n t r i e s  *
//*************************************************************
//*
//DC    SET DC='#/u/itcamad71/usr/lpp/itcam/WebSphere/DC'
//*
//DDDEFT   EXEC PGM=GIMSMP,REGION=64M
//SMPCSI   DD DISP=OLD,DSN=#globalcsi
//SYSPRINT DD SYSOUT=*
//SMPOUT   DD SYSOUT=*
//SMPRPT   DD SYSOUT=*
//SMPCNTL  DD *
    SET   BDY(GLOBAL) .
    UCLIN .
    ADD DDDEF(SMPTLOAD) CYL SPACE(2,1) DIR(10)
       UNIT(SYSALLDA) .
       ENDUCL .

    SET   BDY(#tzone) .
    UCLIN .
    ADD DDDEF(SMPTLOAD) CYL SPACE(2,1) DIR(10)
       UNIT(SYSALLDA) .
       ENDUCL .

    SET   BDY(#dzone) .
    UCLIN .
    ADD DDDEF(SMPTLOAD) CYL SPACE(2,1) DIR(10)
       UNIT(SYSALLDA) .
       ENDUCL .

    SET   BDY(#tzone) .
    UCLIN.
    ADD DDDEF (SCYNZEW9)
    PATH('/DC/itcamdc/etc/was/was9/IBM/').
      ENDUCL.

      ZONEEDIT DDDEF.
      CHANGE PATH('/DC/'*,
      '#/u/itcamad71/usr/lpp/itcam/WebSphere/DC/'*).
      ENDZONEEDIT.
```

```
    UCLIN.
    ADD DDDEF (SCYNZMSJ)
    PATH('/DC/itcamdc/lib/ext/msjars/IBM').
      ENDUCL.

      ZONEEDIT DDDEF.
      CHANGE PATH('/DC/'*,
      '#/u/itcamad71/usr/lpp/itcam/WebSphere/DC/'*).
      ENDZONEEDIT.
/*
//*
//ZFS      IF (DDDEFT.RC = 0) THEN
//*
//* Create zFS directories.
//*
//*
//SCYNZEW9 EXEC PGM=BPXBATCH,
//         PARM='SH mkdir -p &DC/itcamdc/etc/was/was9/IBM/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//SCYNZEW9 EXEC PGM=BPXBATCH,
//       PARM='SH chmod -R 755 &DC/itcamdc/etc/was/was9/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//SCYNZMSJ EXEC PGM=BPXBATCH,
//         PARM='SH mkdir -p &DC/itcamdc/lib/ext/msjars/IBM/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//SCYNZMSJ EXEC PGM=BPXBATCH,
//       PARM='SH chmod -R 755 &DC/itcamdc/lib/ext/msjars/'
//STDOUT   DD SYSOUT=*
//STDERR   DD SYSOUT=*
//*
//ZFSX     ENDIF
//*
//
```

Reference the following URLs for Pre-installation requirements and instructions, and the current listing of recommended service for the OMEGAMON product Suite.

Pre-Installation Checklist: **https://www.ibm.com/support/docview.wss?uid=swg21318692&aid=1**

Recommended Maintenance Service Levels:
http://www.ibm.com/support/docview.wss?uid=swg21290883

To view the individual Special Considerations of the NetView, System Automation, and Tivoli Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

The IBM Service Management Unite portal can be found on this link. It contains information about IBM Service Management Unite and a link to the download url:
http://www-01.ibm.com/support/docview.wss?uid=swg21962625

Consider the following items when using shared CSI zones.

- You must specify the same high-level qualifier for the target and distribution libraries as the other products in the same zones for the configuration tool to work correctly.
- If you install a product into an existing CSI that contains a previous version of the same product, SMP/E deletes the previous version during the installation process. To maintain multiple product versions concurrently, they must be installed into separate CSI zones.
- If you install into an existing environment, you might need to remove data set references from the installation jobs to avoid errors because the data sets already exist.
- If you are installing into an existing environment that has the data sets already allocated, ensure sufficient space and directory blocks are available to support the requirement listed in the DASD tables. This might require you to reallocate some data sets to avoid x37 abends.
- If you want OMEGAMON XE for Db2 PE on z/OS and the Data Studio Workbench feature of Db2 Accessories Suite to coexist, ensure they are installed in different CSI target zones. Then separate run-time environments of OMEGAMON XE for Db2 PE and Data Studio Workbench can be configured to coexist in a given LPAR.

6.0 Installation Instructions

This chapter describes the installation method and the step-by-step procedures to install and to activate the functions of Service Management Suite.

Please note the following points:

- If you want to install Service Management Suite into its own SMP/E environment, consult the SMP/E manuals for instructions on creating and initializing the SMPCSI and the SMP/E control data sets. Additionally, to assist you in doing this, IBM has provided samples to help you create an SMP/E environment at the following URL:

  http://www.ibm.com/support/docview.wss?rs=660&context=SSZJDU&uid=swg21066230

- You can use the sample jobs that are provided to perform part or all of the installation tasks. The SMP/E jobs assume that all DDDEF entries that are required for SMP/E execution have been defined in appropriate zones.

6.1 Installing Service Management Suite

6.1.1 SMP/E Considerations for Installing Service Management Suite

Use the SMP/E RECEIVE, APPLY, and ACCEPT commands to install this release of Service Management Suite.

To view the SMP/E installation instructions for NetView, System Automation, and Asset Discovery products refer to the respective Program Directories that are supplied with the product package.

- Publication number GI11-9444 for NetView English
- Publication number GI11-9445 for NetView Japanese
- Publication number GI11-9446 for NetView Ent Management Agent
- Publication number GI13-4184 for System Automation
- Publication number GI13-2260 for Tivoli Asset Discovery for z/OS

6.1.2 SMP/E Options Subentry Values

The recommended values for certain SMP/E CSI subentries are shown in Figure 36. Using values lower than the recommended values can result in failures in the installation. DSSPACE is a subentry in the GLOBAL options entry. PEMAX is a subentry of the GENERAL entry in the GLOBAL options entry. See the SMP/E manuals for instructions on updating the global zone.

Figure 36 (Page 1 of 2). SMP/E Options Subentry Values

Subentry	Value	Comment
DSSPACE	300,1200,1200	Use 1200 directory blocks

Figure 36 (Page 2 of 2). SMP/E Options Subentry Values		
Subentry	**Value**	**Comment**
PEMAX	SMP/E Default	IBM recommends using the SMP/E default for PEMAX.

6.1.3 SMP/E CALLLIBS Processing

Service Management Suite uses the CALLLIBS function provided in SMP/E to resolve external references during installation. When Service Management Suite is installed, ensure that DDDEFs exist for the following libraries:

- CSSLIB
- SCCNOBJ
- SCEEBND2
- SCEECPP
- SCEELIB
- SCEELKED
- SCEELKEX
- SCEERUN
- SCEERUN2
- SCLBSID
- SCSQLOAD
- SEZACMTX

Note: CALLLIBS uses the previous DDDEFs only to resolve the link-edit for Service Management Suite. These data sets are not updated during the installation of Service Management Suite.

6.1.4 Installation Job Generator Utility

A utility is available to generate the necessary installation jobs for this product and others that might be included in the product package deliverable. Be aware that not all products are supported at this time and maintenance might be required to get the latest updates for the Job Generator product selection table. It is recommended you use this job generation utility to create a set of jobs to install the product package when installing into an existing environment rather than using the sample jobs provided for each product.

The job generation utility is delivered in the z/OS Installation and Configuration Tool component of the Tivoli Management Services on z/OS product, which is a requisite of this product. This utility is enhanced through the maintenance stream so there could be an issue if it is invoked from an environment without the latest maintenance. Ensure the latest maintenance is installed for the components of this product to get the latest updates for the Job Generator product selection table.

If you are installing for the first time into a new environment and don't have an existing environment available to invoke this utility, you must use the sample jobs for the Tivoli Management Services on z/OS product and install it first. This will install the FMID containing the job generation utility and the latest maintenance. Then you can invoke the utility from the target library TKANCUS to install other products in the package.

The job generation utility can be invoked from the SMP/E target library with the low-level qualifier of TKANCUS, launch the utility by using ISPF option 6 and entering the following command.

```
ex '&gbl_target_hilev.TKANCUS'
```

Select "SMP/E-install z/OS products with Install Job Generator (JOBGEN)" from the z/OS Installation and Configuration Tool main menu.

You can use the online help available as a tutorial to become familiar with the utility and its processes.

6.1.4.1 Introduction to the Job Generator

The job generation utility creates a set of jobs to define a SMP/E environment (CSI and supporting data sets), allocate product libraries (target and distribution zone data sets and DDDEFS), and install the products (RECEIVE APPLY ACCEPT). You can use these jobs to create a totally new environment or to install the products into an existing CSI.

Processing Steps

- The jobs are generated from a series of ISPF interactive panels and ISPF file tailoring.
- The initial step is selection of the product mix. The set of products will determine any additions to the basic set of values needed to create the JCL.

Note: Install Job Generator (JOBGEN) output library: You can specify the Install Job Generator (JOBGEN) output library during the PARMGEN "KCIJPCFG Set up/Refresh PARMGEN work environment" configuration processing to reuse parameter values such as the jobcard and CSI values related to CALLLIBS and USS install directory override data.

Process Log

- One of the members of the generated job library is KCIJGLOG, which is the process log.
- This member shows the generating parameters and internal lists that were used to create the batch jobs.
- It also indicates which jobs were actually produced and need to be run. Note that the RECEIVE, APPLY, and ACCEPT jobs are always generated even if the selected products are already in the target CSI. In that case, the jobs install additional maintenance when available.

6.1.4.2 Product Selection

You can select one or more products from a table that will determine the set of FMIDs to install. You must select at least one product and you should always select the appropriate version of the IBM Tivoli Management Services on z/OS product (5698-A79) that is an installation requisite for this product offering. This will install the necessary FMIDs and maintenance for a new environment but also ensure any requisite maintenance will be processed when installing into an existing environment.

The selection table contains information about all of the supported products and might contain entries for products that you do not have or do not wish to install. Select only those products that are available in the package delivered and that you want to install.

6.1.4.3 Installing into an existing CSI

When the high-level qualifiers point to an existing environment, the job generation utility eliminates the jobs that allocate and initialize the CSI.

The job generation utility suppresses the creation of libraries that already exist in the target environment. Instead, the generator creates a job to determine whether sufficient space is available for any additional data to be installed into the libraries.

The member KCIJGANL is generated to report on the available space for each of the existing libraries that will have new data. However, KCIJGANL cannot check for the maintenance stream requirements.

The space analyzer function is very helpful in identifying data set space issues that might cause X37 abends during APPLY and ACCEPT processing.

6.1.4.4 Job Generator - Update Command

The job generation utility was enhanced to allow dynamic additions to the product table. The UPDATE routine is used to obtain additional data for products that are available but not yet included in the installation job generator table, KCIDJG00.

You must have the product RELFILEs available on DASD in order to run this routine and all components of the product must be available. After a successful run, the output of this routine will replace the KCIDJG00 member of the work data set. If you make multiple changes to the data member be sure to save the original member as a backup.

Note: Not all products qualify for inclusion in the job generator process. Refer to the online help for more information about this facility.

6.1.5 Sample Jobs

If you choose not to use the installation job generator utility documented in the previous section, you can use the sample jobs that were originally created for the products included in Service Management Suite. This will require you to research and tailor each of the jobs accordingly. The Relfiles and member names for these sample jobs are provided in the following tables.

The sample jobs provided expect a CSI to exist already.

Figure 37. Sample Installation Jobs for IBM OMEGAMON for z/OS

Job Name	Job Type	Description	SMPTLIB Data Set
KM5J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKM5550.F18
KM5J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKM5550.F18
KM5J5REC	RECEIVE	Sample RECEIVE job	IBM.HKM5550.F18
KM5J6APP	APPLY	Sample APPLY job	IBM.HKM5550.F18
KM5J7ACC	ACCEPT	Sample ACCEPT job	IBM.HKM5550.F18

Figure 38. Sample Installation Jobs for IBM OMEGAMON for Networks on z/OS

Job Name	Job Type	Description	RELFILE
KN3J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKN3550.F13
KN3J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKN3550.F13
KN3J5REC	RECEIVE	Sample RECEIVE job	IBM.HKN3550.F13
KN3J6APP	APPLY	Sample APPLY job	IBM.HKN3550.F13
KN3J7ACC	ACCEPT	Sample ACCEPT job	IBM.HKN3550.F13

Figure 39. Sample Installation Jobs for IBM OMEGAMON for Storage on z/OS

Job Name	Job Type	Description	RELFILE
KS3J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKS3550.F16
KS3J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKS3550.F16
KS3J5REC	RECEIVE	Sample RECEIVE job	IBM.HKS3550.F16
KS3J6APP	APPLY	Sample APPLY job	IBM.HKS3550.F16
KS3J7ACC	ACCEPT	Sample ACCEPT job	IBM.HKS3550.F16

Figure 40. Sample Installation Jobs for IBM OMEGAMON Dashboard Edition on z/OS

Job Name	Job Type	Description	RELFILE
KWOJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKWO550.F4
KWOJ6APP	APPLY	Sample APPLY job	IBM.HKWO550.F4
KWOJ7ACC	ACCEPT	Sample ACCEPT job	IBM.HKWO550.F4

Figure 41. Sample Installation Jobs for IBM OMEGAMON for CICS on z/OS

Job Name	Job Type	Description	RELFILE
KC5J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKC5550.F18
KC5J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKC5550.F18
KC5J5REC	RECEIVE	Sample RECEIVE job	IBM.HKC5550.F18
KC5J6BDI	MKDIR	Sample job to invoke the supplied KGWMKDIR EXEC to allocate file system paths	IBM.HKC5550.F18
KC5J7APP	APPLY	Sample APPLY job	IBM.HKC5550.F18
KC5J8ACC	ACCEPT	Sample ACCEPT job	IBM.HKC5550.F18

Figure 42. Sample Installation Jobs for IBM OMEGAMON XE for Db2 Performance Expert

Job Name	Job Type	Description	RELFILE
KDBX3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKDB54X.F4
KDBX4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKDB54X.F4
KDBX5REC	RECEIVE	Sample RECEIVE job	IBM.HKDB54X.F4
KDBX6BDI	MKDIR	Sample job to invoke the supplied EIWMKDIR EXEC to allocate file system paths	IBM.HKDB54X.F4
KDBX7APP	APPLY	Sample APPLY job	IBM.HKDB54X.F4
KDBX8ACC	ACCEPT	Sample ACCEPT job	IBM.HKDB54X.F4

Figure 43. Sample Installation Jobs for IBM OMEGAMON for IMS on z/OS

Job Name	Job Type	Description	RELFILE
KI5J3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKI5550.F14
KI5J4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKI5550.F14
KI5J5REC	RECEIVE	Sample RECEIVE job	IBM.HKI5550.F14
KI5J6APP	APPLY	Sample APPLY job	IBM.HKI5550.F14
KI5J7ACC	ACCEPT	Sample ACCEPT job	IBM.HKI5550.F14

Figure 44 (Page 1 of 2). Sample Installation Jobs for ITCAM for Web Resources

Job Name	Job Type	Description	RELFILE
CYNJ0ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HAAD710.F3

Figure 44 (Page 2 of 2). Sample Installation Jobs for ITCAM for Web Resources

Job Name	Job Type	Description	RELFILE
CYNJ0DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HAAD710.F3
CYNJ0REC	RECEIVE	Sample RECEIVE job	IBM.HAAD710.F3
CYNJ0BDI	MKDIR	Sample job to invoke the supplied CYNMKDIR EXEC to allocate file system paths	IBM.HAAD710.F3
CYNJ0APP	APPLY	Sample APPLY job	IBM.HAAD710.F3
CYNJ0ACC	ACCEPT	Sample ACCEPT job	IBM.HAAD710.F3

Figure 45. Sample Installation Jobs for IBM OMEGAMON for Messaging on z/OS

Job Name	Job Type	Description	RELFILE
KQIJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKQI750.F11
KQIJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKQI750.F11
KQIJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKQI750.F11
KQIJ6APP	APPLY	Sample APPLY job	IBM.HKQI750.F11
KQIJ7ACC	ACCEPT	Sample ACCEPT job	IBM.HKQI750.F11

Figure 46. Sample Installation Jobs for IBM Z OMEGAMON for JVM

Job Name	Job Type	Description	RELFILE
KJJJ3ALO	ALLOCATE	Sample job to allocate target and distribution libraries	IBM.HKJJ55U.F5
KJJJ4DDF	DDDEF	Sample job to define SMP/E DDDEFs	IBM.HKJJ55U.F5
KJJJ5REC	RECEIVE	Sample RECEIVE job	IBM.HKJJ55U.F5
KJJJ6BDI	MKDIR	Sample job to invoke the supplied KJJMKDIR EXEC to allocate file system paths	IBM.HKJJ55U.F5
KJJJ7APP	APPLY	Sample APPLY job	IBM.HKJJ55U.F5
KJJJ8ACC	ACCEPT	Sample ACCEPT job	IBM.HKJJ55U.F5

The installation of Service Management Suite requires the Tivoli Enterprise Monitoring Server on z/OS be installed in the CSI. Refer to the *Program Directory for IBM Tivoli Management Services on z/OS* (GI11-4105) for installation instructions of its product components.

You can access the sample installation jobs by performing an SMP/E RECEIVE (refer to 6.1.8, “Perform SMP/E RECEIVE” on page 59) then copy the jobs from the SMPTLIB data sets to a work data for editing and submission.

You can also copy the sample installation jobs from the product files by submitting the following job. Before you submit the job, add a job card and change the lowercase parameters to uppercase values to meet the requirements of your site.

```
//STEP1    EXEC PGM=IEBCOPY,REGION=4M
//SYSPRINT DD SYSOUT=*
//FILEIN   DD DSN=IBM.fmid.relfile,UNIT=SYSALLDA,DISP=SHR,
//         VOL=SER=filevol
//OUT      DD DSNAME=jcl-library-name,
//         DISP=(NEW,CATLG,DELETE),
//         VOL=SER=dasdvol,UNIT=SYSALLDA,
//         SPACE=(TRK,(10,2,5))
//SYSUT3   DD UNIT=SYSALLDA,SPACE=(CYL,(1,1))
//SYSIN    DD *
    COPY INDD=FILEIN,OUTDD=OUT
    SELECT MEMBER=(member-names)
/*
```

See the following information to update the statements in the previous sample:

FILEIN:
: **filevol** is the volume serial of the DASD device where the downloaded files reside.

OUT:
: **jcl-library-name** is the name of the output data set where the sample jobs are stored.
: **dasdvol** is the volume serial of the DASD device where the output data set resides.

6.1.6 Allocate SMP/E Target and Distribution Libraries

Edit and submit the generated job KCIJGALO to allocate the SMP/E target and distribution libraries for Service Management Suite.

If you are not using the generated allocation job, select the sample allocation job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information. Consider the following issues before submitting the job.

- If you are installing into an existing environment, you might have to remove lines for data sets that already exist.
- If you are installing into an existing environment that has the data sets already allocated, ensure sufficient space and directory blocks are available to support the requirement listed in the DASD tables. This might require you to reallocate some data sets to avoid x37 abends.

Expected Return Codes and Messages: 0

6.1.7 Create DDDEF Entries

Edit and submit the generated job KCIJGDDF to create DDDEF entries for the SMP/E target and distribution libraries for Service Management Suite.

If you are not using the generated job, select the sample DDDEF job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information. If you are installing into an existing environment, you might have to remove lines for data sets that already exist.

Expected Return Codes and Messages: 0

6.1.8 Perform SMP/E RECEIVE

If you have obtained Service Management Suite as part of a CBPDO, use the RCVPDO job in the CBPDO RIMLIB data set to receive the Service Management Suite FMIDs, service, and HOLDDATA that are included on the CBPDO package. For more information, see the documentation that is included in the CBPDO.

You can also choose to edit and submit the generated job KCIJGREC to perform the SMP/E RECEIVE for Service Management Suite. Consult the instructions in the sample job for more information.

Expected Return Codes and Messages: 0

6.1.9 Allocate, create and mount ZFS Files (Optional)

This job allocates, creates a mountpoint, and mounts zFS data sets.

You can choose to create a new file system for this product installation by copying, editing, and submitting the JCL below. Add a job card and change all occurrences of the following lowercase variables to values suitable for your installation before submitting.

```
#zfsdsn - The dsname of your zFS directory.
#volser - The volume serial number for the DASD that will contain
          the new file system.
#zfsdir - The zFS directory where this product will be installed.
       The recommended mountpoint is /-PathPrefix-/usr/lpp/kan.
          The zFS directory tree is case sensitive. Ensure #zfsdir
          is an absolute path name and begins with a slash (/).
```

```
//*************************************************************
//* ALLOCZ This step allocates your zFS data set.             *
//*************************************************************
//ALLOCZ   EXEC PGM=IDCAMS
//SYSPRINT DD SYSOUT=*
//SYSIN    DD *
   DEFINE CLUSTER(NAME(#zfsdsn) -
   LINEAR CYLINDERS(15 5) SHAREOPTIONS(3) VOLUMES(#volser))
/*
//*************************************************************
//* FORMAT This step formats your newly created zFS data set.  *
//*   When executing the IOEAGFMT program you must have       *
//*   superuser authority (UID 0) or READ authority to the    *
//*   SUPERUSER.FILESYS.PFSCTL profile in the UNIXPRIV class.  *
//*************************************************************
//FORMAT EXEC PGM=IOEAGFMT,REGION=0M,
//       PARM=('-aggregate #zfsdsn -compat')
//STEPLIB  DD DSN=IOE.SIOELMOD,DISP=SHR
//SYSPRINT DD SYSOUT=*
//*************************************************************
//* MAKEDIR This step creates the directory path for your     *
//* Mount Point                                               *
//*************************************************************
//MAKEDIR  EXEC PGM=IKJEFT01
//SYSTSPRT DD SYSOUT=*
//SYSTSIN  DD *
  PROFILE WTPMSG MSGID
  MKDIR '#zfsdir' MODE(7,5,5)
  PROFILE
/*
//*************************************************************
//*  MOUNT This step MOUNTS your newly created zFS File System *
//*  using the AGGRGROW parameter.                            *
//*************************************************************
//MOUNT    EXEC PGM=IKJEFT01
//SYSTSPRT DD SYSOUT=*
//SYSPRINT DD SYSOUT=*
//SYSTSIN  DD *
  MOUNT FILESYSTEM('#zfsdsn') +
     TYPE(ZFS) MODE(RDWR) PARM('AGGRGROW') +
     MOUNTPOINT('#zfsdir')
/*
```

Expected Return Codes and Messages: 0

6.1.10 Allocate File System Paths

If you are installing the OMEGAMON for CICS TG on z/OS, OMEGAMON XE for Db2 Performance Expert on z/OS, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components, edit and submit the generated job KCIJGBDI to define the file system paths.

If you are not using the generated job, select the sample jobs KC5J6BDI, KDBX6BDI, CYNJ0BDI, and KJJJ6BDI. Edit and submit them after making appropriate changes for your environment. Consult the instructions in the sample job for more information. Consider the following items before submitting the job.

Important Notes:

1. The Relfiles containing the KGWMKDIR, EIWMKDIR, CYNMKDIR, and KJJMKDIR execs must be available prior to running these jobs. The Relfiles needed are HKGW550.F14, HPMZ540.F2, HAAD710.F3, HKJJ55U.F5, and should be available after running the Receive job.
2. This job must be run before the Apply job.
3. This job must be run by a user ID that has superuser authority (UID=0) or read access to resource BPX.SUPERUSER under the FACILITY profile and superuser authority must be activated.
4. The user ID must have read access to the BPX.FILEATTR.APF and BPX.FILEATTR.PROGCTL resource profiles in the RACF FACILITY class.
5. If you plan to create a new file system for this product, ensure it is created before submitting this job to define file system paths.
6. The file system must be in read/write mode before this job is run.
7. If you create a new file system for Service Management Suite, consider updating the BPXPRMxx PARMLIB member to mount the new file system at IPL time. This action can be helpful if an IPL occurs before the installation is completed.

Expected Return Codes and Messages: 0

6.1.11 Perform SMP/E APPLY

Ensure that you have the latest HOLDDATA, then edit and submit the generated job KCIJGAPP to perform an SMP/E APPLY CHECK for Service Management Suite.

If you are not using the generated job, select the sample APPLY job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information.

Important Notes:

1. If the OMEGAMON for CICS TG on z/OS, OMEGAMON XE for Db2 Performance Expert on z/OS, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components are being installed, the APPLY job must be run by a user ID that has superuser authority (UID=0) or read access to resource BPX.SUPERUSER under the FACILITY profile and superuser authority must be activated.

2. The user ID must also have read access to the BPX.FILEATTR.APF and BPX.FILEATTR.PROGCTL resource profiles in the RACF FACILITY class. This is required for the script to execute successfully and maintain the APF-authorized attributes for all executables and DLLs during unpax.
3. The file system must be in read/write mode before this job is run.

The latest HOLDDATA is available through several different portals, including http://service.software.ibm.com/holdata/390holddata.html. The latest HOLDDATA may identify HIPER and FIXCAT APARs for the FMIDs you will be installing. An APPLY CHECK will help you determine if any HIPER or FIXCAT APARs are applicable to the FMIDs you are installing. If there are any applicable HIPER or FIXCAT APARs, the APPLY CHECK will also identify fixing PTFs that will resolve the APARs, if a fixing PTF is available.

You should install the FMIDs regardless of the status of unresolved HIPER or FIXCAT APARs. However, do not deploy the software until the unresolved HIPER and FIXCAT APARs have been analyzed to determine their applicability. That is, before deploying the software either ensure fixing PTFs are applied to resolve all HIPER or FIXCAT APARs, or ensure the problems reported by all HIPER or FIXCAT APARs are not applicable to your environment.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the PRE, ID, REQ, and IFREQ on the APPLY CHECK. The SMP/E root cause analysis identifies the cause only of *errors* and not of *warnings* (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings, instead of errors).

Here are sample APPLY commands:

1. To ensure that all recommended and critical service is installed with the FMIDs, receive the latest HOLDDATA and use the APPLY CHECK command as follows

   ```
   APPLY S(fmid,fmid,...) CHECK
   FORFMID(fmid,fmid,...)
   SOURCEID(RSU*)
   FIXCAT(IBM.ProductInstall-RequiredService)
   GROUPEXTEND .
   ```

   Some HIPER APARs might not have fixing PTFs available yet. You should analyze the symptom flags for the unresolved HIPER APARs to determine if the reported problem is applicable to your environment and if you should bypass the specific ERROR HOLDs in order to continue the installation of the FMIDs.

   This method requires more initial research, but can provide resolution for all HIPERs that have fixing PTFs available and are not in a PE chain. Unresolved PEs or HIPERs might still exist and require the use of BYPASS.
2. To install the FMIDs without regard for unresolved HIPER APARs, you can add the BYPASS(HOLDCLASS(HIPER)) operand to the APPLY CHECK command. This will allow you to install FMIDs even though one or more unresolved HIPER APARs exist. After the FMIDs are installed, use the SMP/E REPORT ERRSYSMODS command to identify unresolved HIPER APARs and any fixing PTFs.

```
APPLY S(fmid,fmid,...) CHECK
FORFMID(fmid,fmid,...)
SOURCEID(RSU*)
FIXCAT(IBM.ProductInstall-RequiredService)
GROUPEXTEND
BYPASS(HOLDCLASS(HIPER)) .
 ..any other parameters documented in the program directory
```

This method is quicker, but requires subsequent review of the Exception SYSMOD report produced by the REPORT ERRSYSMODS command to investigate any unresolved HIPERs. If you have received the latest HOLDDATA, you can also choose to use the REPORT MISSINGFIX command and specify Fix Category IBM.PRODUCTINSTALL-REQUIREDSERVICE to investigate missing recommended service.

If you bypass HOLDs during the installation of the FMIDs because fixing PTFs are not yet available, you can be notified when the fixing PTFs are available by using the APAR Status Tracking (AST) function of ServiceLink or the APAR Tracking function of ResourceLink.

Expected Return Codes and Messages from APPLY CHECK: 4

After you take actions that are indicated by the APPLY CHECK, remove the CHECK operand and run the job again to perform the APPLY.

Note: The GROUPEXTEND operand indicates that SMP/E applies all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

If the BYPASS operand is not included in the control statement when processing a PTF with a ++HOLD statement, the job will get a return code of 12 and the following message.

```
GIM30206E command PROCESSING FAILED FOR SYSMOD sysmod.
          HOLD REASON IDS WERE NOT RESOLVED.
```

Expected Return Codes and Messages from APPLY: 4

You can receive many of the following messages depending on your environment. These messages can be ignored, because they will not affect product execution.

```
GIM23913W  LINK-EDIT PROCESSING FOR SYSMOD aaaaaaa
           WAS SUCCESSFUL FOR MODULE bbbbbbbb IN
           LMOD cccccccc IN THE ddddddddd LIBRARY.  THE
           RETURN CODE WAS ee.  DATE yy.ddd -- TIME
           hh:mm:ss -- SEQUENCE NUMBER nnnnnn --
           SYSPRINT FILE ffffffff.

IEW2454W  SYMBOL symbol UNRESOLVED. NO AUTOCALL (NCAL) SPECIFIED.

IEW2480W  EXTERNAL SYMBOL symbol OF TYPE ESD-type WAS
          ALREADY DEFINED AS A SYMBOL OF TYPE ESD-type
          IN SECTION section-name.
```

```
IEW2482W  THE ORIGINAL DEFINITION WAS IN A MODULE
          IDENTIFIED BY ddname.  THE DUPLICATE DEFINITION
          IS IN section IN A MODULE IDENTIFIED BY ddname.

GIM67301W LOAD MODULE loadmod IN SYSLIB syslib DOES NOT INCLUDE
       MODULE modname BECAUSE modname HAS NOT BEEN INSTALLED.
```

Figure 47 contains a list of elements that might be marked as not selected during the APPLY and ACCEPT processes. This might occur because a VERSION parameter was supplied in an FMID indicating that it contained a higher level version of the same element provided by another FMID being processed at the same time. The higher version element is selected for processing and the lower version is not selected for processing. It might also occur because maintenance is being installed at the same time as the FMIDs.

Figure 47 (Page 1 of 22). SMP/E Elements Not Selected

BPOQACHP	BPOQADTL	BPOQAEXT	BPOQALVP	BPOQAPVA	BPOQARDT
BPOQCREC	BPOQECHP	BPOQELVP	BPOQESCD	BPOQFCAT	BPOQFCDT
BPOQFUGB	BPOQFWAT	BPOQFWCA	BPOQFWGB	BPOQINEX	BPOQIREC
BPOQRHOB	BPOQRIOA	BPOQRPDT	BPOQRPGT	BPOQRPST	BPOQSPAT
BPOQSRGB	BPOQTPFA	BPOQTPFC	BPOQTPFG	BPOQXPFA	BPOQXPFG
BPOQXSCD	BPOQZREC	BPOTRC	CYNZABSW	CYNZAC31	CYNZAC50
CYNZAMUP	CYNZAN31	CYNZAN50	CYNZAS31	CYNZAS50	CYNZAT31
CYNZAT50	CYNZAXCB	CYNZBCBO	CYNZCCFG	CYNZCCLD	CYNZCDC
CYNZCDCX	CYNZCDN	CYNZCFF6	CYNZCKW9	CYNZCLBK	CYNZCLCJ
CYNZCLS6	CYNZCMJR	CYNZCOPY	CYNZCPS7	CYNZCTCB	CYNZCYCN
CYNZCYCT	CYNZCYND	CYNZCYNT	CYNZCY6D	CYNZDCLO	CYNZDCOL
CYNZDCPO	CYNZDC90	CYNZDW80	CYNZFD	CYNZFFDL	CYNZGLS
CYNZGLSW	CYNZHCCB	CYNZIMCB	CYNZINJR	CYNZINPU	CYNZJAVP
CYNZJCCJ	CYNZJDCB	CYNZJDCJ	CYNZJDC7	CYNZJDC8	CYNZJITJ
CYNZJMCB	CYNZJMXE	CYNZJW80	CYNZJW90	CYNZJXWH	CYNZKCOM
CYNZKWJD	CYNZKWJE	CYNZKWJM	CYNZKYMB	CYNZKYND	CYNZKY6D
CYNZLI14	CYNZLI15	CYNZLI16	CYNZLI56	CYNZLI66	CYNZLMGD
CYNZLMS6	CYNZMB70	CYNZMCBR	CYNZMCC	CYNZMCCN	CYNZMCDE
CYNZMCES	CYNZMCFG	CYNZMCFR	CYNZMCIT	CYNZMCJA	CYNZMCKO
CYNZME60	CYNZME61	CYNZME62	CYNZME70	CYNZMODE	CYNZMP60
CYNZMP61	CYNZMP62	CYNZMP70	CYNZMQCB	CYNZMSJR	CYNZMW51
CYNZMW60	CYNZMW61	CYNZMW80	CYNZMW9	CYNZMW90	CYNZPCO9
CYNZPC80	CYNZPEXT	CYNZPINS	CYNZPMIC	CYNZPP	CYNZPPB

Figure 47 (Page 2 of 22). SMP/E Elements Not Selected					
CYNZPPI	CYNZPPW5	CYNZPPW6	CYNZPPX	CYNZPPXI	CYNZPWP5
CYNZPWSI	CYNZPW7	CYNZPW8	CYNZREGA	CYNZRPS7	CYNZSMSH
CYNZSRV	CYNZSTUP	CYNZTBCE	CYNZTCRA	CYNZTCW6	CYNZTCW7
CYNZTCW9	CYNZTC51	CYNZTC70	CYNZTC80	CYNZTC90	CYNZTIJ8
CYNZTKAR	CYNZTKCJ	CYNZTKDJ	CYNZTKNJ	CYNZTKOJ	CYNZTKRJ
CYNZTKRU	CYNZTKUT	CYNZTKWJ	CYNZTKW8	CYNZTLJF	CYNZTOCC
CYNZTOCK	CYNZTOCU	CYNZTOCW	CYNZTOGC	CYNZTOOO	CYNZTOSD
CYNZTOW	CYNZTOW7	CYNZTOW8	CYNZTOW9	CYNZTO90	CYNZTPS7
CYNZTUJR	CYNZTW60	CYNZTW61	CYNZTW80	CYNZUNCN	CYNZUNDC
CYNZVERS	CYNZWCNC	CYNZWECB	CYNZWM	CYNZWPCB	CYNZWSC
CYNZWSHA	CYNZWSIE	CYNZW6H	CYNZW6SX	CYNZW7SX	CYNZW8SX
CYNZW9SX	CYNZ6JCB	CYN1CALL	CYN1DRVR	CYN1DUMP	CYN1GNTK
CYN1GTST	CYN1KCRR	CYN1KCR8	CYN1KFOP	CYN1KGBM	CYN1KGBS
CYN1KGHS	CYN1KGSS	CYN1KGSV	CYN1KGWS	CYN1KRSS	CYN1KWEN
CYN1KWSC	CYN1KWSP	CYN1XCOM	CYN1XMPC	CYN1XZAP	DGOAACUM
DGOABFDF	DGOABFPK	DGOABFXC	DGOABLOG	DGOABORD	DGOABORE
DGOACALC	DGOACFPK	DGOACMER	DGOACOMP	DGOACREC	DGOACREP
DGOADFPK	DGOADNOR	DGOAEXIT	DGOAEX20	DGOAFBUF	DGOAFDDF
DGOAFGBP	DGOAFGEN	DGOAFISA	DGOAFLAT	DGOAFORM	DGOAFPCK
DGOAIREC	DGOAIREP	DGOALFGE	DGOALFPK	DGOALSGE	DGOALSPK
DGOALUMP	DGOAMTRC	DGOAPLLR	DGOAQKEY	DGOARCAL	DGOAREDB
DGOAREDC	DGOAREDD	DGOAREDG	DGOAREDI	DGOAREDM	DGOAREDP
DGOAREDR	DGOAREDX	DGOARXIT	DGOASAVE	DGOATOPR	DGOATOP4
DGOATPRC	DGOATRAC	DGOATREC	DGOAUPDB	DGOAWAIF	DGOAZMER
DGOAZREC	DGOBARAL	DGOBARDD	DGOBARLK	DGOBARLO	DGOBARPK
DGOBARPO	DGOBARPT	DGOBARRI	DGOBARRL	DGOBARSH	DGOBARSP
DGOBARSQ	DGOBARTE	DGOBARTM	DGOBATAL	DGOBATDD	DGOBATLK
DGOBATLO	DGOBATPK	DGOBATPO	DGOBATPT	DGOBATRI	DGOBATRL
DGOBATSH	DGOBATSP	DGOBATSQ	DGOBATTM	DGOBGENL	DGOBMIGN
DGOBSELL	DGOBSRAL	DGOBSRBN	DGOBSRCM	DGOBSRDD	DGOBSRLG
DGOBSRLK	DGOBSRLO	DGOBSROC	DGOBSRPO	DGOBSRQP	DGOBSRRI
DGOBSRSH	DGOBSRSP	DGOBSRSQ	DGOBSRSS	DGOBSRTM	DGOBSTAL
DGOBSTBN	DGOBSTCM	DGOBSTDD	DGOBSTLG	DGOBSTLK	DGOBSTLO

Figure 47 (Page 3 of 22). SMP/E Elements Not Selected					
DGOBSTOC	DGOBSTPO	DGOBSTQP	DGOBSTRI	DGOBSTSH	DGOBSTSP
DGOBSTSQ	DGOBSTSS	DGOBSTTM	DGOER000	DGOETV51	DGOFECAL
DGOFEDAT	DGOFEPKG	DGOFPDAT	DGOFPE15	DGOFPRIC	DGOFS8ST
DGOFUFAC	DGOFUFDI	DGOK$INF	DGOLADLK	DGOLAEOF	DGOLAOTH
DGOLAREQ	DGOLARES	DGOLASUM	DGOLASUS	DGOLATIM	DGOLCREC
DGOLDIST	DGOLFILE	DGOLIREC	DGOLREDC	DGOLREXT	DGOLTRAC
DGOLXRES	DGOLZREC	DGOMEFXL	DGOMEPXT	DGOMERPL	DGOMTPKG
DGOMYEDY	DGOMYE00	DGOMYE01	DGOMYIK0	DGOMYIP0	DGOMYKSQ
DGOMYKTH	DGOMYOKI	DGOMYOPI	DGOMYOPT	DGOMZF00	DGOMZF03
DGONBFDL	DGONBFDS	DGONBFD2	DGONBFMB	DGONBFRL	DGONBFRP
DGONBFSE	DGONBFSQ	DGONBFSS	DGONBFS2	DGONBFTI	DGONCFSQ
DGONCREC	DGONDFDL	DGONDFDS	DGONDFD2	DGONDFMB	DGONDFRL
DGONDFRP	DGONDFSE	DGONDFSQ	DGONDFSS	DGONDFS2	DGONDFTI
DGONFIFA	DGONFILE	DGONFWAC	DGONFWHD	DGONFWPA	DGONFWP1
DGONFWP9	DGONF012	DGONF023	DGONF130	DGONF200	DGONF230
DGONF380	DGONF500	DGONF8ST	DGONIREC	DGONLFSQ	DGONTRAC
DGONUPDB	DGONUTIL	DGOPAB10	DGOPACNV	DGOPSB10	DGOPSB20
DGOPSCNV	DGORAEXT	DGORIREP	DGORPACC	DGORPSUM	DGORRLOC
DGORUACC	DGORZREP	DGOSACUM	DGOSAPAW	DGOSAPTX	DGOSBLKX
DGOSBORD	DGOSBORE	DGOSBXCL	DGOSCREC	DGOSCXCL	DGOSDLTD
DGOSDXCL	DGOSFILE	DGOSFMTQ	DGOSFMTR	DGOSFMTS	DGOSGENC
DGOSGENS	DGOSLXCL	DGOSPREP	DGOSREPM	DGOSSAVE	DGOSSWSR
DGOSTRAC	DGOSUPDB	DGOS199R	DGOS199T	DGOVBMG	DGOVCCP
DGOVCINI	DGOVCRDB	DGOVDB2I	DGOVDB2M	DGOVDMSG	DGOVDS
DGOVDSIN	DGOVDSRC	DGOVDSS	DGOVEEDI	DGOVEEDR	DGOVEEDS
DGOVEE00	DGOVEE01	DGOVFTAB	DGOVFTIN	DGOVGIFC	DGOVHMCD
DGOVHMDR	DGOVHMM0	DGOVHMM1	DGOVHMM2	DGOVHMS1	DGOVHMTC
DGOVHM00	DGOVISI	DGOVISIT	DGOVMB	DGOVMDI	DGOVMDSP
DGOVMIDI	DGOVMMXM	DGOVMRAP	DGOVMSTR	DGOVMTEX	DGOVMTI
DGOVMUAE	DGOVM001	DGOVM002	DGOVPCON	DGOVPDSC	DGOVPIG1
DGOVPMOV	DGOVPOPT	DGOVPP0	DGOVPP1	DGOVPP2	DGOVPP3
DGOVPP4	DGOVPP5	DGOVPUPD	DGOVQUEU	DGOVQUEX	DGOVRA
DGOVRGM1	DGOVRG01	DGOVRG02	DGOVRG03	DGOVRG04	DGOVRG10

Figure 47 (Page 4 of 22). SMP/E Elements Not Selected					
DGOVRG11	DGOVRG12	DGOVRG13	DGOVRG20	DGOVRG21	DGOVRG22
DGOVRG23	DGOVRG24	DGOVRG25	DGOVRG26	DGOVRG27	DGOVRG28
DGOVRG4B	DGOVRG4C	DGOVRG4X	DGOVRSFI	DGOVSADK	DGOVSCLO
DGOVSCNI	DGOVSCNT	DGOVSCON	DGOVSCPI	DGOVSCS2	DGOVSCS3
DGOVSCT1	DGOVSCT2	DGOVSDOB	DGOVSDSC	DGOVSERI	DGOVSFLR
DGOVSGFT	DGOVSLOC	DGOVSORT	DGOVSQFM	DGOVSQRY	DGOVSQSM
DGOVSQTR	DGOVSSEN	DGOVSSP1	DGOVSSP2	DGOVSTQL	DGOVSUBS
DGOVSUTL	DGOVTAC	DGOVTBI	DGOVTCL	DGOVTCPD	DGOVTCPL
DGOVTCPS	DGOVTCPT	DGOVTENQ	DGOVTGC	DGOVTGS	DGOVTIA
DGOVTLI	DGOVTSCL	DGOVTSD	DGOVTSEX	DGOVTSIA	DGOVTSO
DGOVTSOI	DGOVTSSD	DGOVTSSO	DGOVTSTA	DGOVTSTS	DGOVTSX
DGOVTTA	DGOVTWR	DGOVUAS0	DGOVUDAT	DGOVUFTL	DGOVUM00
DGOVUM01	DGOVUM02	DGOVUSS0	DGOVWDOG	DGOVXMSG	DGOVZTCC
DGOVZTRC	DGOWBSFP	DGOWB106	DGOWB202	DGOWB230	DGOWCSFP
DGOWC106	DGOWC230	DGOWDSFP	DGOWD106	DGOWD202	DGOWD230
DGOWFILE	DGOWF106	DGOWF107	DGOWLSFP	DGOWL106	DGOWL230
DGOWUPDB	DGOW1FIL	DGOXBASS	DGOXCREC	DGOXCREP	DGOXD000
DGOXFSQL	DGOXF000	DGOXF001	DGOXF002	DGOXF003	DGOXF004
DGOXF005	DGOXF006	DGOXF007	DGOXF008	DGOXF009	DGOXIREC
DGOXIREP	DGOXPCON	DGOXR000	DGOXSPRT	DGOXS000	DGOXS001
DGOXS002	DGOXS003	DGOXS004	DGOXS005	DGOXS006	DGOXS007
DGOXT000	DGOXT001	DGOXT002	DGOXT003	DGOXT004	DGOXT005
DGOXT006	DGOXT007	DGOXZREC	DGOXZREP	DGOYBLOK	DGOYCNDX
DGOYDPM0	DGOYFIST	DGOYFPCK	DGOYGPCK	DGOYJOIN	DGOYMAIN
DGOYPATH	DGOYPLA1	DGOYRPT0	DGOYRPT1	DGOYSEEE	DGOYSPCK
DGOYSTAB	DGOYTPM0	DGOYTPM1	DGOYTPM2	DGOYTPM3	DGOYTPM4
DGOYTPM5	DGOYTPM6	DGOYTPT0	DGOYTPT2	DGOYTPT3	DGOYTPT4
DGOYTPT5	DGOYTPT6	DGOYTPT7	DGOYTPT8	DGOYTPT9	DGOYXPLC
DGOZBEXP	DGOZBIND	DGOZBTCH	DGOZBTC2	DGOZCONV	DGOZCOPY
DGOZCRDC	DGOZCRDP	DGOZCRDS	DGOZCRDW	DGOZDB	DGOZDB2M
DGOZDMDB	DGOZDTA1	DGOZDTA2	DGOZDTA3	DGOZDTA4	DGOZDTA5
DGOZDTA6	DGOZDTA7	DGOZFL1	DGOZLD10	DGOZLD11	DGOZLD6
DGOZLD7	DGOZLD8	DGOZLD9	DGOZLOAD	DGOZMB	DGOZMIG1

Figure 47 (Page 5 of 22). SMP/E Elements Not Selected					
DGOZMIG2	DGOZMT1	DGOZMT1I	DGOZMT2	DGOZMT2I	DGOZMT2J
DGOZMT2K	DGOZMT3	DGOZMT3I	DGOZMT4	DGOZMT4I	DGOZMT5
DGOZMT5I	DGOZMT5J	DGOZPC1	DGOZPC2	DGOZPC3	DGOZPC4
DGOZPRSE	DGOZPRV1	DGOZPRV2	DGOZPWH	DGOZSAPI	DGOZSAP2
DGOZSCRD	DGOZSP	DGOZSQPA	DGOZSUB1	DGOZSUB2	DGOZTBL
DGOZUAUT	DGOZVW1	DGOZVW2	DGOZWSTE	FPECHATS	FPECHE15
FPECHGVR	FPECHNMP	FPECIVPI	FPECMDAT	FPECRDMP	FPECVCRS
FPEMMAIN	FPEPAFPK	FPEPCSV	FPEPCSVN	FPEPNFDL	FPEPNFTI
FPEPSXCL	FPEPWSFP	FPEPW106	FPEPW230	FPEUCBLD	FPEUCBPR
FPEUCXFX	FPEUDMPS	FPEUFLNS	FPEUFLN2	FPEUFTDS	FPEUFTS2
FPEUIFCI	FPEUIFC2	FPEULLM	FPEUNIDT	FPEUREMM	FPEURSMM
FPEURSTM	FPEUUSM	FPEUU100	FPEUU120	FPEUVLS2	FPEUVTMM
FPEVACM	FPEVCDM	FPEVCTM	FPEVDBXT	FPEVDB2C	FPEVDB2F
FPEVDB2I	FPEVDB2S	FPEVDB22	FPEVDB26	FPEVDB27	FPEVDIM
FPEVDSM	FPEVFDM	FPEVFLM	FPEVFRM	FPEVFTM	FPEVMMM
FPEVMSGI	FPEVMST1	FPEVMST2	FPEVM000	FPEVNTM	FPEVNT00
FPEVOMBP	FPEVOPM	FPEVRAC	FPEVRACF	FPEVRDS1	FPEVRGM
FPEVRG8X	FPEVRTM	FPEVSCM	FPEVSCN1	FPEVSDCM	FPEVSERV
FPEVSETM	FPEVSFLR	FPEVSNM	FPEVSPIM	FPEVSPMM	FPEVSPPM
FPEVSSM	FPEVTMEM	FPEVWRPA	FPEVWRP2	FPEVWR2C	FPEVXCMM
FPEVXLLM	FPEVZMAI	FPEVZRAC	FPEZCRD	FPEZPMS	IZDCDEF
IZDCICSA	IZDCICSC	IZDCICSD	IZDCICSF	IZDCICSM	IZDCICSO
IZDCICSP	IZDCICSS	IZDCICST	IZDIRSC	IZDIRSCJ	IZDIRSCX
IZDISDBD	IZDISDPD	IZDISPRD	IZDISSD	IZDISTRD	IZDRDLA
IZDSNETS	IZDSSUBI	IZDUSTRN	KCEAGENT	KCECNL00	KCECRT00
KCEPLX@S	KCEPSL00	KCEREG00	KCETML@S	KCNCFDRP	KCNCPYRM
KCPAIDSX	KCPATR	KCPBAR	KCPCAT	KCPCMDSC	KCPCMDSX
KCPCMDXX	KCPDLPI	KCPDOC	KCPD2PI	KCPFILSX	KCPH0001
KCPH0002	KCPH0003	KCPH0004	KCPH0005	KCPH0006	KCPH0007
KCPH0008	KCPH0009	KCPH0010	KCPH0011	KCPH0012	KCPH0013
KCPH0014	KCPH0015	KCPH0016	KCPH0017	KCPH0018	KCPH0019
KCPH0020	KCPH0021	KCPH0022	KCPH0023	KCPH0024	KCPH0025
KCPH0026	KCPH0027	KCPH0028	KCPH0029	KCPH0030	KCPH0031

Figure 47 (Page 6 of 22). SMP/E Elements Not Selected					
KCPH0032	KCPH0033	KCPH0034	KCPH0035	KCPH0036	KCPH0037
KCPH0038	KCPH0039	KCPH0040	KCPH0041	KCPH0042	KCPH0043
KCPH0044	KCPH0045	KCPH0046	KCPH0047	KCPH0048	KCPH0049
KCPH0050	KCPH0051	KCPH0052	KCPH0053	KCPH0054	KCPH0055
KCPH0056	KCPH0057	KCPH0058	KCPH0059	KCPH0060	KCPH0061
KCPH0062	KCPH0063	KCPH0064	KCPH0065	KCPH0066	KCPH0067
KCPH0068	KCPH0069	KCPH0070	KCPH0071	KCPH0072	KCPH0073
KCPH0074	KCPH0075	KCPH0076	KCPH0077	KCPH0078	KCPH0079
KCPH0080	KCPH0081	KCPH0082	KCPH0083	KCPH0084	KCPH0085
KCPH0086	KCPH0087	KCPH0088	KCPH0089	KCPH0090	KCPH0091
KCPH0092	KCPH0093	KCPH0094	KCPH0095	KCPH0096	KCPH0097
KCPH0098	KCPH0099	KCPH0100	KCPH0101	KCPH0102	KCPH0103
KCPH0104	KCPH0105	KCPH0106	KCPH0107	KCPH0108	KCPH0109
KCPH0110	KCPH0111	KCPH0112	KCPH0113	KCPH0114	KCPH0115
KCPH0116	KCPH0117	KCPH0118	KCPH0119	KCPH0120	KCPH0121
KCPH0122	KCPH0123	KCPH0124	KCPH0125	KCPH0126	KCPH0127
KCPH0128	KCPH0129	KCPH0130	KCPH0131	KCPH0132	KCPH0133
KCPH0134	KCPH0135	KCPH0136	KCPH0137	KCPH0138	KCPH0139
KCPH0140	KCPH0141	KCPH0142	KCPINDEX	KCPJSTMS	KCPJSTPS
KCPJSTPW	KCPMAP	KCPMQMPI	KCPMSMAN	KCPPDICT	KCPPRGD
KCPPRGSX	KCPPTHSH	KCPPTHST	KCPRESP	KCPRGNO	KCPRGNS
KCPRZINT	KCPSLAAC	KCPSLAAD	KCPSLAAL	KCPSLAAO	KCPSLAAP
KCPSLAAR	KCPSLAAT	KCPSLAAU	KCPSLAAW	KCPSLACC	KCPSLACD
KCPSLACS	KCPSLADD	KCPSLADP	KCPSLALL	KCPSLAMA	KCPSLAMP
KCPSLAMX	KCPSLAOP	KCPSLAR	KCPSLARU	KCPSLARV	KCPSLASE
KCPSLAST	KCPSLATT	KCPSLAUP	KCPSLAUR	KCPSLAUU	KCPSTGAP
KCPSTGL	KCPSTGS	KCPSYSAP	KCPTAHDX	KCPTAHPX	KCPTASD
KCPTASH	KCPTASHE	KCPTASHF	KCPTASHH	KCPTASHL	KCPTASHR
KCPTASH1	KCPTASH2	KCPTASPA	KCPTASPU	KCPTASSX	KCPTASTB
KCPTASTR	KCPTCKM5	KCPTRNSX	KCPVER	KCPVRTMS	KCPWBSP
KCPWBSS	KCPWBSTH	KCSCACH	KCSCOMM	KCSDATA	KCSDHOK
KCSEXTR	KCSFQUE	KCSFREE	KCSFRR	KCSHOOK	KCSINIT
KCSIPCS	KCSIUVT	KCSJTRN	KCSLOAD	KCSLOCJ	KCSMGR

Figure 47 (Page 7 of 22). SMP/E Elements Not Selected					
KCSMSG	KCSORPH	KCSOVRF	KCSPARS	KCSQUE	KCSRMGR
KCSRPTR	KCSRPXM	KCSSORT	KCSSTAE	KCSSTRN	KCSSYNC
KCSTERM	KCSTUNE	KCSUPDT	KCSVSMS	KCSVT	KCSZLOG
KC256DG1	KC5ACT@S	KC5AFC0A	KC5AFD0A	KC5AFSKA	KC5AGENT
KC5AID@S	KC5AIDE0	KC5AIDF0	KC5AIDG0	KC5AIDH0	KC5AIDI0
KC5AIDJ0	KC5AIDK0	KC5ATC00	KC5BCEKA	KC5BND0A	KC5BNP0A
KC5BNS0A	KC5CDMKA	KC5CDPKA	KC5CDSKA	KC5CEMKA	KC5CMA@S
KC5CMQKA	KC5CON@S	KC5COS@S	KC5CSAKA	KC5CSS@S	KC5CTCEA
KC5CTCFA	KC5CTCGA	KC5CTCHA	KC5CTCIA	KC5CTCJA	KC5CTCKA
KC5CVSEA	KC5CVSFA	KC5CVSGA	KC5CVSHA	KC5CVSIA	KC5CVSJA
KC5CVSKA	KC5DAT@S	KC5DBTK0	KC5DB2KA	KC5DCC@S	KC5DDSKA
KC5DLIEA	KC5DLIFA	KC5DLIGA	KC5DLIHA	KC5DLIIA	KC5DLIJA
KC5DLIKA	KC5DLS@S	KC5DTAKA	KC5DTDKA	KC5DUMK0	KC5D2S@S
KC5EAIK0	KC5EFD@S	KC5EICEA	KC5EICFA	KC5EICGA	KC5EICHA
KC5EICIA	KC5EICJA	KC5EICKA	KC5ENQK0	KC5EVD0A	KC5EVSKA
KC5FCD@S	KC5FCJ@S	KC5FCS@S	KC5FDT@S	KC5FILEA	KC5FILFA
KC5FILGA	KC5FILHA	KC5FILIA	KC5FILJA	KC5FILKA	KC5FST@S
KC5GST0A	KC5ICEK0	KC5ICO@S	KC5ILL00	KC5INIEA	KC5INIFA
KC5INIGA	KC5INIHA	KC5INIIA	KC5INIJA	KC5INIKA	KC5INT00
KC5IPC@S	KC5IPS@S	KC5JVPKA	KC5LGCKA	KC5LNK@S	KC5LOCEA
KC5LOCFA	KC5LOCGA	KC5LOCHA	KC5LOCIA	KC5LOCJA	KC5LOCKA
KC5LSRKA	KC5MQS@S	KC5MSL00	KC5NOD00	KC5NVSEA	KC5NVSFA
KC5NVSGA	KC5NVSHA	KC5NVSIA	KC5NVSJA	KC5NVSKA	KC5OND00
KC5OSCEA	KC5OSCFA	KC5OSCGA	KC5OSCHA	KC5OSCIA	KC5OSCJA
KC5OSCKA	KC5OTR@S	KC5PCL00	KC5PCMKA	KC5PDICT	KC5PGS@S
KC5PIDKA	KC5PLU00	KC5PPDKA	KC5PPH@S	KC5PPHKA	KC5RAP00
KC5RCCKA	KC5RDS@S	KC5RLFE0	KC5RLFF0	KC5RLFG0	KC5RLFH0
KC5RLFI0	KC5RLFJ0	KC5RLFK0	KC5RLSK0	KC5ROV@S	KC5RSD@S
KC5RSN00	KC5SCO0A	KC5SDPKA	KC5SER@S	KC5SIA@S	KC5SITE0
KC5SITF0	KC5SITG0	KC5SITH0	KC5SITI0	KC5SITJ0	KC5SITK0
KC5SLU00	KC5SQEKA	KC5STOK0	KC5SWA0A	KC5TAI0A	KC5TAM0A
KC5TAN@S	KC5TASEA	KC5TASFA	KC5TASGA	KC5TASHA	KC5TASIA
KC5TASJA	KC5TASKA	KC5TCPKA	KC5TCVK0	KC5TDCEA	KC5TDCFA

Figure 47 (Page 8 of 22). SMP/E Elements Not Selected					
KC5TDCGA	KC5TDCHA	KC5TDCIA	KC5TDCJA	KC5TDCKA	KC5TDOK0
KC5TDQ@S	KC5TD2@S	KC5TFCEA	KC5TFCFA	KC5TFCGA	KC5TFCHA
KC5TFCIA	KC5TFCJA	KC5TFCKA	KC5TICE0	KC5TICF0	KC5TICG0
KC5TICH0	KC5TICI0	KC5TICJ0	KC5TICK0	KC5TISE0	KC5TISF0
KC5TISG0	KC5TISH0	KC5TISI0	KC5TISJ0	KC5TISK0	KC5TJCEA
KC5TJCFA	KC5TJCGA	KC5TJCHA	KC5TJCIA	KC5TJCJA	KC5TJCKA
KC5TMPK0	KC5TPCE0	KC5TPCF0	KC5TPCG0	KC5TPCH0	KC5TPCI0
KC5TPCJ0	KC5TPCK0	KC5TPPE0	KC5TPPF0	KC5TPPG0	KC5TPPH0
KC5TPPI0	KC5TPPJ0	KC5TPPK0	KC5TRD@S	KC5TRG@S	KC5TRN@S
KC5TRNK0	KC5TRS@S	KC5TRT@S	KC5TRU@S	KC5TR1@S	KC5TR2@S
KC5TR3@S	KC5TSKKA	KC5TSM@S	KC5TSMK0	KC5TSQK0	KC5TSTKA
KC5TSV@S	KC5TSWK0	KC5TTCE0	KC5TTCF0	KC5TTCG0	KC5TTCH0
KC5TTCI0	KC5TTCJ0	KC5TTCK0	KC5TTT@S	KC5UOW@S	KC5VADKA
KC5WBDKA	KC5WBS@S	KC5WBSKA	KC5WEBKA	KC5WSP00	KC5WSR0A
KC5XAM0A	KC5XMD0A	KC5XMI0A	KC5XMS0A	KC5XSV@S	KC5XTOK0
KC5ZAPI	KC5ZFRR	KDB540J	KDPACCN	KDPACC31	KDPACC32
KDPACC41	KDPACC42	KDPATR	KDPBAR	KDPBPD54	KDPBPOOL
KDPBPTAB	KDPBPX	KDPBP52	KDPBP54	KDPBUFF	KDPCAT
KDPCICS	KDPCICS3	KDPCICTH	KDPCICT1	KDPCMDS	KDPCONN
KDPCPDBI	KDPDATA	KDPDB2VX	KDPDOC	KDPDSQLF	KDPDSQLS
KDPDYNST	KDPDYNTX	KDPEDM	KDPEDMA	KDPEDMB	KDPEDMI
KDPEDMN	KDPEDMTB	KDPEDM2	KDPEDM2A	KDPEDM2X	KDPEDM29
KDPEDM8	KDPEDM9	KDPEDTBA	KDPEDTB8	KDPEDTB9	KDPEDT2A
KDPEDT29	KDPGBOP5	KDPGBPCA	KDPGBPDT	KDPGBPLK	KDPGBPOL
KDPGBPO5	KDPGLKGN	KDPGOA	KDPGOAS	KDPGOATD	KDPGOATS
KDPGOAT2	KDPGPOOL	KDPGSPAC	KDPGSPAD	KDPGVDB	KDPGVOL
KDPGVOLD	KDPGVOLT	KDPGVOL2	KDPGVSPA	KDPHACCT	KDPHFIL1
KDPHFIL2	KDPHFIL3	KDPHFIL4	KDPHFL1X	KDPHFTAB	KDPHGLCK
KDPHHACT	KDPHHTHD	KDPHHWT1	KDPHHWT2	KDPHISCL	KDPHISLA
KDPHISLB	KDPHISLD	KDPHISLS	KDPHISN1	KDPHISTC	KDPHISTE
KDPHISTL	KDPHISTS	KDPHIS1X	KDPHLCKC	KDPHNACL	KDPHNAME
KDPHNGLC	KDPHNLOC	KDPHQBST	KDPHQDBP	KDPHSTAI	KDPHSTAT
KDPHSTAX	KDPHSTCX	KDPHSTLX	KDPHSTSX	KDPHTABI	KDPHTAB1

Figure 47 (Page 9 of 22). SMP/E Elements Not Selected					
KDPHWAIT	KDPH0022	KDPH0025	KDPH0052	KDPH0064	KDPH225
KDPH2252	KDPIMS	KDPINDEX	KDPJSTMS	KDPJSTPS	KDPJSTPW
KDPKPI1	KDPKPI2	KDPKPI3	KDPKPI4	KDPLKC2	KDPLOCKS
KDPLOGSB	KDPLOGSM	KDPLOGS9	KDPMAP	KDPMSGC	KDPMSGH
KDPMSGS	KDPMSMAN	KDPNAV2I	KDPPCANC	KDPPCANX	KDPPDICT
KDPPGBPD	KDPPGBPO	KDPPLEX	KDPPOATB	KDPPSQLD	KDPPSQL3
KDPPSQL8	KDPPSQTB	KDPPSQT1	KDPPTAB1	KDPPTHRD	KDPPZPRM
KDPPZSTG	KDPSQLA	KDPSQLB	KDPSQLC	KDPSQLD	KDPSQLE
KDPSQLTB	KDPSQL1	KDPSQL2	KDPSQL3	KDPSQL4	KDPSQL5
KDPSQL6	KDPSQL7	KDPSQL8	KDPSSQLS	KDPSTART	KDPSTASM
KDPSTAST	KDPSTATX	KDPSTORX	KDPSTRTI	KDPSTR2I	KDPSTS2A
KDPSUBSM	KDPSYSS1	KDPSYSS2	KDPSYSS3	KDPSYSS4	KDPSYSS5
KDPSYSS6	KDPSYSS7	KDPTHCIC	KDPTHCIS	KDPTHCI1	KDPTHDN
KDPTHD52	KDPTHRD	KDPTHRD3	KDPTHRSH	KDPUTILS	KDPUTIL1
KDPVGVT	KDPVRTMS	KDPZAPPL	KDPZARC	KDPZBP	KDPZCTL
KDPZDATA	KDPZDDCS	KDPZDSG	KDPZDSN	KDPZIRLM	KDPZLOG
KDPZMOD	KDPZOS	KDPZOTH	KDPZPARM	KDPZPERF	KDPZSP
KDPZSTG	KDPZSYS	KDPZTRC	KDPZUTIL	KD2BHELP	KD2CRPLC
KD2CVAL	KD2DDICT	KD2DDICX	KD2VERS	KD5AGENT	KD5AUTO1
KD5BGV00	KD5BHELP	KD5CVAL	KD5DDICT	KD5DSPL1	KD5GOA00
KD5GOB00	KD5GOV00	KD5GSTKP	KD5GSTKQ	KD5GSTLP	KD5GSTLQ
KD5GSTMP	KD5GSTMQ	KD5KF100	KD5PDICT	KD5SAM00	KD5SUBKP
KD5SUBKQ	KD5SUBLP	KD5SUBLQ	KD5SUBMP	KD5SUBMQ	KEIEM0MQ
KEIEM0NQ	KEIEM0OQ	KEIEM0PQ	KEIRDNMQ	KEIRDNNQ	KEIRDNOQ
KEIRDNPQ	KGWAGENT	KGWCAD@S	KGWDINFO	KGWDSD@S	KGWJSTMS
KGWJSTPS	KGWJSTPW	KGWMSMAN	KGWRTD@S	KGWRTS@S	KGWVRTMS
KGWXTR0A	KIPAGENT	KIPATF00	KIPATP00	KIPATR	KIPATT00
KIPAUTO1	KIPBAR	KIPCAT	KIPCCB00	KIPCDOM0	KIPCDON0
KIPCDOO0	KIPCDOP0	KIPCDSM0	KIPCDSN0	KIPCDSO0	KIPCDSP0
KIPCFGM0	KIPCFGN0	KIPCFGO0	KIPCFGP0	KIPCICQ0	KIPCICR0
KIPCICS0	KIPCICT0	KIPCICU0	KIPCICV0	KIPCICW0	KIPCMD
KIPCMDBE	KIPCMD00	KIPCMPM0	KIPCMPN0	KIPCMPO0	KIPCMPP0
KIPCOL00	KIPCSQM0	KIPCSQN0	KIPCSQO0	KIPCSQP0	KIPC8000

Figure 47 (Page 10 of 22). SMP/E Elements Not Selected					
KIPC8100	KIPC8200	KIPC8300	KIPC8400	KIPDATA	KIPDBS
KIPDBSM0	KIPDBSN0	KIPDBSO0	KIPDBSP0	KIPDCE00	KIPDCIF1
KIPDEPD	KIPDET00	KIPDEX00	KIPDOC	KIPENVM0	KIPENVN0
KIPENVO0	KIPENVP0	KIPHDBM0	KIPHDBN0	KIPHDBO0	KIPHDBP0
KIPHISTC	KIPHLTM0	KIPHLTN0	KIPHLTO0	KIPHLTP0	KIPH0001
KIPH0002	KIPH0003	KIPH0004	KIPH0005	KIPH0006	KIPH0007
KIPH0008	KIPH0009	KIPH0010	KIPH0011	KIPH0012	KIPH0013
KIPH0014	KIPH0015	KIPH0016	KIPH0017	KIPH0018	KIPH0019
KIPH0020	KIPH0021	KIPH0022	KIPH0023	KIPH0024	KIPH0025
KIPH0026	KIPH0027	KIPH0028	KIPH0029	KIPH0030	KIPH0031
KIPH0032	KIPH0033	KIPH0034	KIPH0035	KIPH0036	KIPH0037
KIPH0038	KIPH0039	KIPH0040	KIPH0041	KIPH0042	KIPH0043
KIPH0044	KIPH0045	KIPH0046	KIPH0047	KIPH0048	KIPH0049
KIPH0050	KIPH0051	KIPH0052	KIPH0053	KIPH0054	KIPH0055
KIPH0056	KIPH0057	KIPH0058	KIPH0059	KIPH0060	KIPH0061
KIPH0062	KIPH0063	KIPH0064	KIPH0065	KIPH0066	KIPH0067
KIPH0068	KIPH0069	KIPH0070	KIPH0071	KIPH0072	KIPH0073
KIPH0074	KIPH0075	KIPH0076	KIPH0077	KIPH0078	KIPH0079
KIPH0080	KIPH0081	KIPH0082	KIPH0083	KIPH0084	KIPH0085
KIPH0086	KIPH0087	KIPH0088	KIPH0089	KIPH0090	KIPH0091
KIPH0092	KIPH0093	KIPH0094	KIPH0095	KIPH0096	KIPH0097
KIPH0098	KIPH0099	KIPH0100	KIPH0101	KIPH0102	KIPH0103
KIPH0104	KIPH0105	KIPH0106	KIPH0107	KIPH0108	KIPH0109
KIPICB00	KIPICE00	KIPICI00	KIPICS00	KIPICT00	KIPILA00
KIPILB00	KIPILC00	KIPILJ00	KIPILOG	KIPILOGD	KIPILO00
KIPILR00	KIPILV00	KIPILX00	KIPILZ00	KIPIMS00	KIPINDEX
KIPIRCDQ	KIPIRCEQ	KIPIRSD0	KIPIRSE0	KIPJSTMS	KIPJSTPS
KIPJSTPW	KIPLCKM0	KIPLCKN0	KIPLCKO0	KIPLCKP0	KIPLNKM0
KIPLNKN0	KIPLNKO0	KIPLNKP0	KIPLOKDQ	KIPLOKEQ	KIPLTMS
KIPMAP	KIPMCB00	KIPMQSM0	KIPMQSN0	KIPMQSO0	KIPMQSP0
KIPMSCLL	KIPMSCPL	KIPMSDM0	KIPMSDN0	KIPMSDO0	KIPMSDP0
KIPMSG00	KIPMSMAN	KIPNAVBE	KIPOIC00	KIPOTMM0	KIPOTMN0
KIPOTMO0	KIPOTMP0	KIPPDICT	KIPPLEX	KIPPLKM0	KIPPLKN0

Figure 47 (Page 11 of 22). SMP/E Elements Not Selected					
KIPPLKO0	KIPPLKP0	KIPPRMM0	KIPPRMN0	KIPPRMO0	KIPPRMP0
KIPPSBD	KIPPSBS	KIPRESPU	KIPRGOM0	KIPRGON0	KIPRGOO0
KIPRGOP0	KIPRTA00	KIPRTE00	KIPRTGS	KIPRTG00	KIPRTI00
KIPRTR00	KIPRTS00	KIPSCDM0	KIPSCDN0	KIPSCDO0	KIPSCDP0
KIPSPBM0	KIPSPBN0	KIPSPBO0	KIPSPBP0	KIPSTART	KIPSTA00
KIPSTRTI	KIPSUBMQ	KIPSUBNQ	KIPSUBOQ	KIPSUBPQ	KIPTCCM0
KIPTCCN0	KIPTCCO0	KIPTCCP0	KIPTHDM0	KIPTHDN0	KIPTHDO0
KIPTHDP0	KIPTHSM0	KIPTHSN0	KIPTHSO0	KIPTHSP0	KIPTOLPU
KIPTRC00	KIPTRM00	KIPTRNS	KIPVAVT	KIPVRTMS	KIPWAT00
KIPWIPER	KIPWRKM0	KIPWRKN0	KIPWRKO0	KIPWRKP0	KI2AJW00
KI2ARZ00	KI2BS000	KI2IT1M0	KI2IT1N0	KI2IT1O0	KI2IT1P0
KI2IT2M0	KI2IT2N0	KI2IT2O0	KI2IT2P0	KI2MN0M0	KI2MN0N0
KI2MN0O0	KI2MN0P0	KI2NR000	KI2TCCM0	KI2TCCN0	KI2TCCO0
KI2TCCP0	KI2TC0M0	KI2TC0N0	KI2TC0O0	KI2TC0P0	KI2TE000
KI5PDICT	KJJ	KJJAGENT	KJJATR	KJJBAR	KJJBOOT
KJJCAT	KJJCJS	KJJCPU	KJJCPUD	KJJDOC	KJJENVE
KJJHCA31	KJJHCA64	KJJHISTC	KJJH0001	KJJH0002	KJJH0003
KJJH0004	KJJH0005	KJJH0006	KJJH0007	KJJH0008	KJJH0009
KJJH0010	KJJH0011	KJJH0012	KJJH0013	KJJINDEX	KJJJSTMS
KJJJSTPS	KJJJSTPW	KJJLIB	KJJLIB64	KJJMAP	KJJMONAP
KJJMSMAN	KJJNMEM	KJJPDICT	KJJPROP	KJJTHRSH	KJJTXMMF
KJJTXMON	KJJVRTMS	KJJZOSD	KJJZOSDH	KJJZOSS	KJJZOSSH
KJT$LOCK	KJTAGVT	KJTALOG	KJTCENQ	KJTCGGVT	KJTCOM
KJTCPU	KJTDEQ	KJTDGGVT	KJTENQ	KJTENV	KJTFIELD
KJTFREE	KJTGCEVT	KJTGCSUM	KJTGGVT	KJTHNDLR	KJTJJOB
KJTJVMS	KJTLIST	KJTLKEVT	KJTLKSUM	KJTLOG	KJTLTOD
KJTMAIN	KJTMOUT	KJTNMEVT	KJTPIDS	KJTPROPS	KJTQMGR
KJTSTART	KJTTDEVT	KJTTXEVT	KJTXMINT	KJTXML	KJTXMPC
KMQACTSY	KMQAGAX	KMQAGENT	KMQAGQMS	KMQAGTIF	KMQAGTNS
KMQAMQSA	KMQAMQS2	KMQAMQS3	KMQAMQS4	KMQAMQS6	KMQAMQS8
KMQANODE	KMQAPCOX	KMQAPDTI	KMQAPDTP	KMQAPDTR	KMQAPPCD
KMQAPPDX	KMQAPPRS	KMQAPPSH	KMQAPPS2	KMQAPPS3	KMQAPPZD
KMQAPQCD	KMQAPQDX	KMQAPQLS	KMQAPQRS	KMQAPQZD	KMQAPTDP

Figure 47 (Page 12 of 22). SMP/E Elements Not Selected					
KMQAPTLS	KMQAPTRS	KMQCHLAX	KMQCHLHL	KMQCHLHS	KMQCHLH1
KMQCHLH2	KMQCHLID	KMQCHLIS	KMQCHLNS	KMQCHLRL	KMQCHLRS
KMQCHLR1	KMQCHLR2	KMQCHLSC	KMQCHLSD	KMQCHLSL	KMQCHLSX
KMQCHLS1	KMQCHLX	KMQCLAX	KMQCLCX	KMQCLPTD	KMQCLQMS
KMQCLXMX	KMQCMDSC	KMQCMDSX	KMQCMDXX	KMQCPTDI	KMQDLQAS
KMQDLQFS	KMQDLQLS	KMQDLQOX	KMQDLQQX	KMQDLQTS	KMQDLQVX
KMQGQUES	KMQHISTC	KMQJSTMS	KMQJSTPS	KMQJSTPW	KMQLHMMS
KMQMAP	KMQMLBPS	KMQMQCMD	KMQMQDSX	KMQMQMSG	KMQMSAF
KMQMSBMD	KMQMSBPD	KMQMSHMD	KMQMSHMS	KMQMSLMD	KMQMSLSX
KMQMSMAN	KMQMSMMD	KMQNAMLS	KMQNAV12	KMQORGPR	KMQPGMSG
KMQPGSDX	KMQPGSHS	KMQPGSRD	KMQPGSTD	KMQPLSBD	KMQPLSB2
KMQPLSB3	KMQPLTPD	KMQPLTPS	KMQPLTP2	KMQPSBPS	KMQPSFLT
KMQPSSBD	KMQPSSB2	KMQPSSB3	KMQPSTPD	KMQPSTPS	KMQPSTP2
KMQQACT	KMQQACTX	KMQQGCFS	KMQQGCHS	KMQQGCZX	KMQQGQUS
KMQQMACL	KMQQMACS	KMQQMARE	KMQQMGAF	KMQQMGAS	KMQQMGFS
KMQQMGLS	KMQQMGOX	KMQQMGR	KMQQMGTS	KMQQMGVX	KMQQMJBX
KMQQMSCS	KMQQMSTH	KMQQMSTZ	KMQQSGS	KMQQUBPS	KMQQUEBD
KMQQUECS	KMQQUELS	KMQQUERS	KMQQUESL	KMQQUPGS	KMQQUTSS
KMQQUTSX	KMQQXMTD	KMQQXMTS	KMQQXMTX	KMQSITES	KMQSMDCD
KMQSMDSD	KMQSMDSR	KMQSMDSS	KMQSTAGS	KMQSTART	KMQSTLIS
KMQSTQHO	KMQSTQM2	KMQSYSP	KMQTACMD	KMQTAMSG	KMQTHRDI
KMQTHRSH	KMQTIME	KMQTOPHD	KMQTOPHS	KMQTOPIS	KMQWMQED
KMQWMQEG	KMQWMQEH	KMQWMQEL	KMQWMQES	KMQWMQET	KMQWMQEX
KMQZDI1I	KMQZDI1J	KM2RULE	KM2RULES	KM3INPRB	KM3WPRDE
KM5AG1	KM5AG2	KM5ASP3H	KM5ASP5H	KM5ASP6H	KM5ASP7H
KM5ASP8H	KM5ATR	KM5BAR	KM5CAT	KM5CFS	KM5CFSO
KM5CFSO#	KM5CFS5#	KM5CFS6#	KM5DCTMN	KM5DOC	KM5ENQ
KM5ENQS8	KM5FPCIH	KM5HISTC	KM5H0001	KM5H0002	KM5H0003
KM5H0004	KM5H0005	KM5H0006	KM5H0007	KM5H0008	KM5H0009
KM5H0010	KM5H0011	KM5H0012	KM5H0013	KM5H0014	KM5H0015
KM5H0016	KM5H0017	KM5H0018	KM5H0019	KM5H0020	KM5H0021
KM5H0022	KM5H0023	KM5H0024	KM5H0025	KM5H0026	KM5H0027
KM5H0028	KM5H0029	KM5H0030	KM5H0031	KM5H0032	KM5H0033

Figure 47 (Page 13 of 22). SMP/E Elements Not Selected					
KM5H0034	KM5H0035	KM5H0036	KM5H0037	KM5H0038	KM5H0039
KM5H0040	KM5H0041	KM5H0042	KM5H0043	KM5H0044	KM5H0045
KM5H0046	KM5H0047	KM5H0048	KM5H0049	KM5H0050	KM5H0051
KM5H0052	KM5H0053	KM5H0054	KM5H0055	KM5H0056	KM5H0057
KM5H0058	KM5H0059	KM5H0060	KM5H0061	KM5H0062	KM5H0063
KM5H0064	KM5H0065	KM5H0066	KM5H0067	KM5H0068	KM5H0069
KM5H0070	KM5H0071	KM5H0072	KM5H0073	KM5H0074	KM5H0075
KM5H0076	KM5H0077	KM5H0078	KM5H0079	KM5H0080	KM5H0081
KM5H0082	KM5H0083	KM5H0084	KM5H0085	KM5H0086	KM5H0087
KM5H0088	KM5H0089	KM5H0090	KM5H0091	KM5H0092	KM5H0093
KM5H0094	KM5H0095	KM5H0096	KM5H0097	KM5H0098	KM5H0099
KM5H0100	KM5H0101	KM5H0102	KM5H0103	KM5H0104	KM5H0105
KM5H0106	KM5H0107	KM5H0108	KM5H0109	KM5H0110	KM5H0111
KM5H0112	KM5H0113	KM5H0114	KM5H0115	KM5H0116	KM5H0117
KM5H0118	KM5INDEX	KM5JLFRD	KM5JSTMS	KM5JSTPS	KM5JSTPW
KM5LPRDH	KM5LPRO3	KM5LPRO4	KM5LPRSH	KM5MAP	KM5MSMAN
KM5PCI1H	KM5PCI2H	KM5PCI3H	KM5PCI4H	KM5PCI5H	KM5PCI6H
KM5PDICT	KM5PI1DH	KM5PI1SH	KM5PI2DH	KM5PI2SH	KM5PI3DH
KM5PI3SH	KM5PI4DH	KM5PI4SH	KM5PI5DH	KM5PI5SH	KM5PI6DH
KM5PI6SH	KM5PLXO	KM5RCDS	KM5RMFC	KM5RMF00	KM5SCFO
KM5SCMDH	KM5SPDAS	KM5SYSMN	KM5THRSH	KM5UBVS	KM5UPS3
KM5USS	KM5VRTMS	KM5WSCO	KM5WSCO3	KM5WSCS	KN3AABPA
KN3AGENT	KN3ANMLM	KN3ATR	KN3AYRAG	KN3BAR	KN3CAT
KN3DOC	KN3ENN12	KN3ENTM2	KN3FNDC	KN3FSEO	KN3GICO
KN3GTCD	KN3ISMD	KN3ISMO	KN3JSTMS	KN3JSTPS	KN3JSTPW
KN3MAP	KN3MEMO	KN3MSMAN	KN3PDICT	KN3RNCD	KN3RNCO
KN3SDLD	KN3SRGD	KN3SRLD	KN3SRLO	KN3START	KN3STRTI
KN3TAPO	KN3TCLD	KN3TCLI	KN3TCLO	KN3TCLS	KN3TCLS2
KN3TCLU	KN3TCPI	KN3TCPO	KN3TCPO2	KN3TCPO3	KN3TC1D
KN3TC11H	KN3TC12H	KN3TC13H	KN3TC21H	KN3TC22H	KN3TC41H
KN3TC42H	KN3TC43H	KN3VRTMS	KN3XLGID	KN3XPFID	KOBABOUT
KOBAG2	KOBBASEM	KOBCBLK$	KOBCBLK@	KOBCBLKQ	KOBCENV$
KOBCENV@	KOBCENVG	KOBCENVV	KOBCIOBE	KOBCIOST	KOBCLOCK

Figure 47 (Page 14 of 22). SMP/E Elements Not Selected					
KOBCMAP$	KOBCMAP@	KOBCMAPI	KOBCRACF	KOBCSOC$	KOBCSOC@
KOBCSOCK	KOBCSTIO	KOBCTHR$	KOBCTHR@	KOBCTHRD	KOBCTIME
KOBCTRAC	KOBCTREE	KOBCUA	KOBCUNIS	KOBCUXIO	KOBCVSTG
KOBCWTOL	KOBCZDIO	KOBENV#T	KOBFILTD	KOBFILTS	KOBGATW0
KOBGWCND	KOBGWCV$	KOBGWCV#	KOBGWCV@	KOBGWCVA	KOBGWLPA
KOBGWOBV	KOBGWRE$	KOBGWRE@	KOBGWREG	KOBHASH1	KOBHBTPO
KOBHELP	KOBHISTC	KOBHLDIR	KOBHLRTT	KOBHTTP$	KOBHTTP#
KOBHTTP@	KOBHTTPL	KOBHTTPS	KOBHTTPW	KOBHUBM1	KOBHUBPR
KOBHUBS	KOBH0011	KOBH0012	KOBINITM	KOBITMLG	KOBJLG0
KOBLGINI	KOBLGSND	KOBLGSRV	KOBLISTN	KOBLOFLT	KOBMEMSA
KOBOBVA$	KOBOBVA@	KOBOBVAP	KOBODCOL	KOBODIL$	KOBODIL@
KOBODILD	KOBODISC	KOBODTAB	KOBODUTL	KOBOMIOM	KOBO4SRV
KOBPDHST	KOBPR2TB	KOBRRUI$	KOBRRUI@	KOBRRUIA	KOBRRWK$
KOBRRWK@	KOBRRWKR	KOBRSMG1	KOBRXGM	KOBRXGM0	KOBRXPDR
KOBRXQRY	KOBRZFNL	KOBRZGDM	KOBRZGFC	KOBRZGNV	KOBRZSNV
KOBSAFX0	KOBSEDAA	KOBSEDAB	KOBSEDAC	KOBSEDAD	KOBSEDAE
KOBSEDAF	KOBSEDAG	KOBSEDAP	KOBSEDAQ	KOBSEDAS	KOBSEDCB
KOBSEDCC	KOBSEDCN	KOBSEDCV	KOBSEDD2	KOBSEDD3	KOBSEDEA
KOBSEDEB	KOBSEDEC	KOBSEDED	KOBSEDEE	KOBSEDEF	KOBSEDEG
KOBSEDFE	KOBSEDGV	KOBSEDPA	KOBSEDPD	KOBSEDPJ	KOBSEDPK
KOBSEDPL	KOBSEDPM	KOBSEDPX	KOBSEDPZ	KOBSEDP0	KOBSEDP1
KOBSEDP2	KOBSEDP3	KOBSEDP5	KOBSEDP6	KOBSEDP7	KOBSEDP8
KOBSEDP9	KOBSEDSA	KOBSEDTA	KOBSEDTD	KOBSEDTE	KOBSEDTF
KOBSEDTH	KOBSEDTN	KOBSEDTQ	KOBSEDTR	KOBSEDTU	KOBSEDTZ
KOBSEDT2	KOBSED1	KOBSED5A	KOBSED5B	KOBSED6A	KOBSED6B
KOBSED7A	KOBSED7B	KOBSED9A	KOBSED9B	KOBSHOWD	KOBSITD3
KOBSITD4	KOBSITLM	KOBSITMN	KOBSITS	KOBSIT02	KOBSS03A
KOBSTBLD	KOBSUB#M	KOBSUB1M	KOBTCBFA	KOBTCCL$	KOBTCCLA
KOBTHRMT	KOBTHRSH	KOBUICS0	KOBUIEP0	KOBUIFD0	KOBUIGD0
KOBUIGL0	KOBUIGO0	KOBUIGP0	KOBUIGS0	KOBUIHL0	KOBUIHS0
KOBUILG0	KOBUILO0	KOBUIMC0	KOBUIMG0	KOBUIML0	KOBUIM10
KOBUIM20	KOBUIM30	KOBUIM40	KOBUIM50	KOBUIM60	KOBUIM70
KOBUIM80	KOBUIM90	KOBUINI0	KOBUINV0	KOBUIPA0	KOBUIPS0

Figure 47 (Page 15 of 22). SMP/E Elements Not Selected					
KOBUIPT0	KOBUISC0	KOBUISD0	KOBUITK0	KOBUITR0	KOBUIVI0
KOBUIVS0	KOBUIWG0	KOBXMEMS	KOCABL00	KOCAFSKA	KOCAIDE0
KOCAIDF0	KOCAIDG0	KOCAIDH0	KOCAIDI0	KOCAIDJ0	KOCAIDK0
KOCASRE0	KOCASRF0	KOCASRG0	KOCASRH0	KOCASRI0	KOCASRJ0
KOCASRK0	KOCASTE0	KOCASTF0	KOCASTG0	KOCASTH0	KOCASTI0
KOCASTJ0	KOCASTK0	KOCATFEA	KOCATFFA	KOCATFGA	KOCATFHA
KOCATFIA	KOCATFJA	KOCATFKA	KOCBCEKA	KOCBINEA	KOCBINFA
KOCBINGA	KOCBINHA	KOCBINIA	KOCBINJA	KOCBINKA	KOCBSTEA
KOCBSTFA	KOCBSTGA	KOCBSTHA	KOCBSTIA	KOCBSTJA	KOCBSTKA
KOCBTMEA	KOCBTMFA	KOCBTMGA	KOCBTMHA	KOCBTMIA	KOCBTMJA
KOCBTMKA	KOCB2EK0	KOCCDIKA	KOCCDX0A	KOCCEMKA	KOCCENKA
KOCCEP0A	KOCCMQKA	KOCCPR0A	KOCCSAKA	KOCCSRKA	KOCCTCEA
KOCCTCFA	KOCCTCGA	KOCCTCHA	KOCCTCIA	KOCCTCJA	KOCCTCKA
KOCCVSEA	KOCCVSFA	KOCCVSGA	KOCCVSHA	KOCCVSIA	KOCCVSJA
KOCCVSKA	KOCDBSKA	KOCDBTK0	KOCDB2KA	KOCDCT00	KOCDDI00
KOCDDSKA	KOCDINKA	KOCDLIEA	KOCDLIFA	KOCDLIGA	KOCDLIHA
KOCDLIIA	KOCDLIJA	KOCDLIKA	KOCDTAKA	KOCDUMK0	KOCECCKA
KOCEICEA	KOCEICFA	KOCEICGA	KOCEICHA	KOCEICIA	KOCEICJA
KOCEICKA	KOCENQK0	KOCETIKA	KOCEXIKA	KOCFCT00	KOCFILEA
KOCFILFA	KOCFILGA	KOCFILHA	KOCFILIA	KOCFILJA	KOCFILKA
KOCGBK00	KOCGBR00	KOCGENK0	KOCGMP00	KOCGSR00	KOCGVR00
KOCGWR00	KOCHUTKA	KOCICEK0	KOCIDS0A	KOCILIEA	KOCILIFA
KOCILIGA	KOCILIHA	KOCILIIA	KOCILIJA	KOCILIKA	KOCIL1KA
KOCINIKA	KOCINNK0	KOCIPI00	KOCIPS00	KOCITD0A	KOCJCT00
KOCLGCKA	KOCLID00	KOCLOCEA	KOCLOCFA	KOCLOCGA	KOCLOCHA
KOCLOCIA	KOCLOCJA	KOCLOCKA	KOCLSRKA	KOCLUEEA	KOCLUEFA
KOCLUEGA	KOCLUEHA	KOCLUEIA	KOCLUEJA	KOCLUEKA	KOCMCR0A
KOCMCTKA	KOCMEG00	KOCMFBKA	KOCMK0KA	KOCMNAE0	KOCMNAF0
KOCMNAG0	KOCMNAH0	KOCMNAI0	KOCMNAJ0	KOCMNAK0	KOCNDV0A
KOCNQU0A	KOCNVSEA	KOCNVSFA	KOCNVSGA	KOCNVSHA	KOCNVSIA
KOCNVSJA	KOCNVSKA	KOCOND00	KOCOSCEA	KOCOSCFA	KOCOSCGA
KOCOSCHA	KOCOSCIA	KOCOSCJA	KOCOSCKA	KOCPCT00	KOCPDI00
KOCPPT00	KOCRAC0A	KOCRATE0	KOCRATF0	KOCRATG0	KOCRATH0

Figure 47 (Page 16 of 22). SMP/E Elements Not Selected					
KOCRATI0	KOCRATJ0	KOCRATK0	KOCRCCKA	KOCRFCKA	KOCRSN00
KOCRUEEA	KOCRUEFA	KOCRUEGA	KOCRUEHA	KOCRUEIA	KOCRUEJA
KOCRUEKA	KOCRYCKA	KOCSBMKA	KOCSCO0A	KOCSITE0	KOCSITF0
KOCSITG0	KOCSITH0	KOCSITI0	KOCSITJ0	KOCSITK0	KOCSMFKA
KOCSQEKA	KOCSRIKA	KOCSRVKA	KOCSR2EA	KOCSR2FA	KOCSR2GA
KOCSR2HA	KOCSR2IA	KOCSR2JA	KOCSR2KA	KOCSTAEA	KOCSTAFA
KOCSTAGA	KOCSTAHA	KOCSTAIA	KOCSTAJA	KOCSTAKA	KOCSTOK0
KOCSWA0A	KOCTA$KA	KOCTASEA	KOCTASFA	KOCTASGA	KOCTASHA
KOCTASIA	KOCTASJA	KOCTASKA	KOCTCPKA	KOCTCT00	KOCTCVK0
KOCTDCEA	KOCTDCFA	KOCTDCGA	KOCTDCHA	KOCTDCIA	KOCTDCJA
KOCTDCKA	KOCTDOK0	KOCTFCEA	KOCTFCFA	KOCTFCGA	KOCTFCHA
KOCTFCIA	KOCTFCJA	KOCTFCKA	KOCTICE0	KOCTICF0	KOCTICG0
KOCTICH0	KOCTICI0	KOCTICJ0	KOCTICK0	KOCTISE0	KOCTISF0
KOCTISG0	KOCTISH0	KOCTISI0	KOCTISJ0	KOCTISK0	KOCTJCEA
KOCTJCFA	KOCTJCGA	KOCTJCHA	KOCTJCIA	KOCTJCJA	KOCTJCKA
KOCTMPK0	KOCTOR0A	KOCTPCE0	KOCTPCF0	KOCTPCG0	KOCTPCH0
KOCTPCI0	KOCTPCJ0	KOCTPCK0	KOCTPPE0	KOCTPPF0	KOCTPPG0
KOCTPPH0	KOCTPPI0	KOCTPPJ0	KOCTPPK0	KOCTRAEA	KOCTRAFA
KOCTRAGA	KOCTRAHA	KOCTRAIA	KOCTRAJA	KOCTRAKA	KOCTRIK0
KOCTRNK0	KOCTSKKA	KOCTSMK0	KOCTSQK0	KOCTSTKA	KOCTSWK0
KOCTTCE0	KOCTTCF0	KOCTTCG0	KOCTTCH0	KOCTTCI0	KOCTTCJ0
KOCTTCK0	KOCUA200	KOCUMEKA	KOCVADKA	KOCWAIKA	KOCWBMKA
KOCWBUKA	KOCWEBKA	KOCXECKA	KOCXENKA	KOCXRFKA	KOCXRLE0
KOCXRLF0	KOCXRLG0	KOCXRLH0	KOCXRLI0	KOCXRLJ0	KOCXRLK0
KOCXSYEA	KOCXSYFA	KOCXSYGA	KOCXSYHA	KOCXSYIA	KOCXSYJA
KOCXSYKA	KOCXTOK0	KOCYSIKA	KOCYSTKA	KOCZNEWA	KOEVX07
KOIAM000	KOIAOEM0	KOIAOEN0	KOIAOEO0	KOIAOEP0	KOIAOERM
KOIAOE00	KOIAOX00	KOIAV000	KOIDM0M0	KOIDM0N0	KOIDM0O0
KOIDM0P0	KOIEM0MQ	KOIEM0NQ	KOIEM0OQ	KOIEM0PQ	KOIEX0MQ
KOIEX0NQ	KOIEX0OQ	KOIEX0PQ	KOIFP0M0	KOIFP0N0	KOIFP0O0
KOIFP0P0	KOIHLP	KOIILGM0	KOIILGN0	KOIILGO0	KOIILGP0
KOIIMXM0	KOIIMXN0	KOIIMXO0	KOIIMXP0	KOIIPCM0	KOIIPCN0
KOIIPCO0	KOIIPCP0	KOIIPRM0	KOIIPRN0	KOIIPRO0	KOIIPRP0

Figure 47 (Page 17 of 22). SMP/E Elements Not Selected					
KOIIR0M0	KOIIR0N0	KOIIR0O0	KOIIR0P0	KOIITKM0	KOIITKN0
KOIITKO0	KOIITKP0	KOIMENU	KOIMI0MQ	KOIMI0NQ	KOIMI0OQ
KOIMI0PQ	KOIMON00	KOITX0M0	KOITX0N0	KOITX0O0	KOITX0P0
KOIZINWS	KOIZMENU	KOMAS5	KOMAUTH5	KOMCACH	KOMCHNM5
KOMCMDT5	KOMCMSR5	KOMCPUM	KOMCSAA5	KOMDSN	KOMFMOD5
KOMFNDU5	KOMHDSP5	KOMHEX5	KOMINSP	KOMLCPU	KOMLPAM5
KOMMDEX5	KOMMISC5	KOMMPAG5	KOMMSCM5	KOMMSMT5	KOMNCLV5
KOMPART5	KOMPBM0	KOMPBM15	KOMPBM2	KOMPBM3	KOMPGRP5
KOMPQRY5	KOMPWAI5	KOMRMIR3	KOMSART5	KOMSCPU5	KOMSEEK5
KOMSRCT5	KOMSR24	KOMSTAT5	KOMSYS5	KOMTRAC5	KOMTSO5
KOMUPF1	KOMUPF2	KOMWBAK5	KOMWLM5	KOMWPF5	KOMXAS5
KOMXDEV5	KOMXMSR5	KOMXQCB5	KOMXSY5	KOSCFAML	KOSCFCML
KOSCFMML	KOSCFOML	KOSCFSML	KOSCFTML	KOSDASML	KOSDCMML
KOSGNQRL	KOSPXSML	KOSWPRDE	KOSXCGML	KOSXCMML	KOSXCPML
KOSXCSML	KO2$DMRB	KO2ABROW	KO2ACAFK	KO2ACAFS	KO2ACAF2
KO2ACAPK	KO2ACAPS	KO2ACAP2	KO2ACA0K	KO2ACA0S	KO2ACA02
KO2ACA3K	KO2ACA3S	KO2ACA32	KO2ACA4K	KO2ACA4S	KO2ACA42
KO2ACINB	KO2ACKTH	KO2ACONB	KO2AFLTF	KO2AFSAM	KO2AGNTB
KO2AHLR	KO2AINIB	KO2AOMBB	KO2APCAK	KO2APCAS	KO2APCA2
KO2APCBK	KO2APCBS	KO2APCB2	KO2APCCK	KO2APCCS	KO2APCC2
KO2APCEK	KO2APCES	KO2APCE2	KO2APCFK	KO2APCFS	KO2APCF2
KO2APCGK	KO2APCGS	KO2APCG2	KO2APCHK	KO2APCHS	KO2APCH2
KO2APCIK	KO2APCIS	KO2APCI2	KO2APCJK	KO2APCJS	KO2APCJ2
KO2APCKK	KO2APCKS	KO2APCK2	KO2APCLK	KO2APCLS	KO2APCL2
KO2APCMK	KO2APCMS	KO2APCM2	KO2APCNK	KO2APCNS	KO2APCN2
KO2APCOK	KO2APCOS	KO2APCO2	KO2APCPK	KO2APCPS	KO2APCP2
KO2APCQK	KO2APCQS	KO2APCQ2	KO2APCSB	KO2APC1K	KO2APC1S
KO2APC12	KO2APC2K	KO2APC2S	KO2APC22	KO2APC3K	KO2APC3S
KO2APC32	KO2APC4K	KO2APC4S	KO2APC42	KO2APC5K	KO2APC5S
KO2APC52	KO2APC6K	KO2APC6S	KO2APC62	KO2APC7K	KO2APC7S
KO2APC72	KO2APC9K	KO2APC9S	KO2APC92	KO2APHLR	KO2APINK
KO2APINS	KO2APIN2	KO2ARECB	KO2ARSBK	KO2ARSBS	KO2ARSB2
KO2ARS0K	KO2ARS0S	KO2ARS02	KO2ARS1K	KO2ARS1S	KO2ARS12

Figure 47 (Page 18 of 22). SMP/E Elements Not Selected					
KO2ARS2K	KO2ARS2S	KO2ARS22	KO2ARS3K	KO2ARS3S	KO2ARS32
KO2ARS4K	KO2ARS4S	KO2ARS42	KO2ARS5K	KO2ARS5S	KO2ARS52
KO2ARS6K	KO2ARS6S	KO2ARS62	KO2ARS7K	KO2ARS7S	KO2ARS72
KO2ARS8K	KO2ARS8S	KO2ARS82	KO2ASPFB	KO2ASUAK	KO2ASUAS
KO2ASUA2	KO2ASUBK	KO2ASUBS	KO2ASUB2	KO2ASUDK	KO2ASUDS
KO2ASUD2	KO2ASU0K	KO2ASU0S	KO2ASU02	KO2ASU1K	KO2ASU1S
KO2ASU12	KO2ASU2K	KO2ASU2S	KO2ASU22	KO2ASU3K	KO2ASU3S
KO2ASU32	KO2ASU4K	KO2ASU4S	KO2ASU42	KO2ASU5K	KO2ASU5S
KO2ASU52	KO2ASU6K	KO2ASU6S	KO2ASU62	KO2ASU7K	KO2ASU7S
KO2ASU72	KO2ASU8K	KO2ASU8S	KO2ASU82	KO2ASU9K	KO2ASU9S
KO2ASU92	KO2ATABL	KO2ATBMB	KO2ATD1B	KO2ATD2B	KO2ATD2H
KO2ATD3B	KO2ATD3H	KO2ATQDI	KO2ATQSI	KO2ATQXB	KO2ATQXI
KO2ATRCB	KO2ATRDB	KO2ATRDH	KO2ATREB	KO2ATRPB	KO2ATRQH
KO2ATRTB	KO2ATSSB	KO2ATVBI	KO2ATVCB	KO2ATVCI	KO2ATVDB
KO2ATVDH	KO2ATVPB	KO2ATVSH	KO2ATVWB	KO2BDDTL	KO2BDSPL
KO2BDTHD	KO2BHLR	KO2CCAFB	KO2CCINB	KO2CCISK	KO2CCISS
KO2CCIS2	KO2CCNSK	KO2CCNSS	KO2CCNS2	KO2CCPUB	KO2CDCNB
KO2CDFCK	KO2CDFCS	KO2CDFC2	KO2CDFSK	KO2CDFSS	KO2CDFS2
KO2CDINK	KO2CDINS	KO2CDIN2	KO2CDSCB	KO2CDSYK	KO2CDSYS
KO2CDSY2	KO2CDTMB	KO2CIFAB	KO2CIFBB	KO2CIFDB	KO2CIFIK
KO2CIFIS	KO2CIFI2	KO2CIF2K	KO2CIF2S	KO2CIF22	KO2CIF3K
KO2CIF3S	KO2CIF32	KO2CIF4K	KO2CIF4S	KO2CIF42	KO2CIF5K
KO2CIF5S	KO2CIF52	KO2CIF8K	KO2CIF8S	KO2CIF82	KO2CIF9K
KO2CIF9S	KO2CIF92	KO2CISBK	KO2CISBS	KO2CISB2	KO2CLKDK
KO2CLKDS	KO2CLKD2	KO2CMVIF	KO2CMVSF	KO2CNADB	KO2CNAGB
KO2CNAPB	KO2CNASB	KO2CNSRB	KO2CNTPK	KO2CNTPS	KO2CNTP2
KO2CPUCL	KO2CPURT	KO2CPUST	KO2CRLIC	KO2CRLID	KO2CRLIE
KO2CRLIF	KO2CSTAB	KO2CSTBB	KO2CSTCB	KO2CSTDB	KO2CSTRH
KO2CSTSB	KO2CST5K	KO2CST5S	KO2CST52	KO2CST6K	KO2CST6S
KO2CST62	KO2CST8K	KO2CST8S	KO2CST82	KO2CSYSK	KO2CSYSS
KO2CSYS2	KO2CSY2K	KO2CSY2S	KO2CSY22	KO2CSY3K	KO2CSY3S
KO2CSY32	KO2CTHBK	KO2CTHBS	KO2CTHB2	KO2CTHCK	KO2CTHCS
KO2CTHC2	KO2CTHEK	KO2CTHES	KO2CTHE2	KO2CTHFK	KO2CTHFS

Figure 47 (Page 19 of 22). SMP/E Elements Not Selected					
KO2CTHF2	KO2CTHGK	KO2CTHGS	KO2CTHG2	KO2CTHHK	KO2CTHHS
KO2CTHH2	KO2CTHIK	KO2CTHIS	KO2CTHI2	KO2CTHJK	KO2CTHJS
KO2CTHJ2	KO2CTHKK	KO2CTHKS	KO2CTHK2	KO2CTHLK	KO2CTHLS
KO2CTHL2	KO2CTHMK	KO2CTHMS	KO2CTHM2	KO2CTHNK	KO2CTHNS
KO2CTHN2	KO2CTHOK	KO2CTHOS	KO2CTHO2	KO2CTHPK	KO2CTHPS
KO2CTHP2	KO2CTHQK	KO2CTHQS	KO2CTHQ2	KO2CTHRK	KO2CTHRS
KO2CTHR2	KO2CTHSK	KO2CTHSS	KO2CTHS2	KO2CTH2K	KO2CTH2S
KO2CTH22	KO2CTH3K	KO2CTH3S	KO2CTH32	KO2CTH5K	KO2CTH5S
KO2CTH52	KO2CTH6K	KO2CTH6S	KO2CTH62	KO2CTH8K	KO2CTH8S
KO2CTH82	KO2CTRDH	KO2CT2SK	KO2CT2SS	KO2CT2S2	KO2CVTIC
KO2CVTIF	KO2CVTIG	KO2DASTK	KO2DASTS	KO2DAST2	KO2DATA
KO2DBCIB	KO2DB2IB	KO2DCS1B	KO2DCS2B	KO2DDINB	KO2DDSBK
KO2DDSBS	KO2DDSB2	KO2DINTB	KO2DMSCK	KO2DMSCS	KO2DMSC2
KO2DNTHK	KO2DNTHS	KO2DNTH2	KO2DQPIH	KO2DSPMB	KO2DSQPI
KO2DTHAK	KO2DTHAS	KO2DTHA2	KO2DTHDK	KO2DTHDS	KO2DTHD2
KO2DTH1K	KO2DTH1S	KO2DTH12	KO2DTH2K	KO2DTH2S	KO2DTH22
KO2DTH3K	KO2DTH3S	KO2DTH32	KO2DTH4K	KO2DTH4S	KO2DTH42
KO2DXSTB	KO2DXS1K	KO2DXS1S	KO2DXS12	KO2DXS2K	KO2DXS2S
KO2DXS22	KO2DXS3K	KO2DXS3S	KO2DXS32	KO2ECTLF	KO2EC01F
KO2ED01K	KO2ED01S	KO2ED012	KO2EGS1K	KO2EGS1S	KO2EGS12
KO2EGX1K	KO2EGX1S	KO2EGX12	KO2EIS1K	KO2EIS1S	KO2EIS12
KO2EIXMF	KO2EIX2K	KO2EIX2S	KO2EIX22	KO2EOJAB	KO2EOJSK
KO2EOJSS	KO2EOJS2	KO2ERMGB	KO2ETDBB	KO2ET01F	KO2EVLSK
KO2EVLSS	KO2EVLS2	KO2GCAMB	KO2GHT	KO2HARCB	KO2HCAFB
KO2HDSBK	KO2HDSBS	KO2HDSB2	KO2HDTIB	KO2HDTPB	KO2HHDIB
KO2HHQPB	KO2HINTB	KO2HLKSH	KO2HMSGB	KO2HPRCB	KO2HPR1B
KO2HPR2B	KO2HRCPB	KO2HSEQB	KO2HSINB	KO2HSQIB	KO2HSQPB
KO2HSVIB	KO2HSVPB	KO2HTRMB	KO2HVINB	KO2HWLMB	KO2H2DSH
KO2H2INH	KO2H2RCH	KO2ICOLK	KO2ICOLS	KO2ICOL2	KO2ICSTH
KO2ICSUH	KO2IINIK	KO2IINIS	KO2IINI2	KO2IINTB	KO2IMSTH
KO2IMSUH	KO2ITCA2	KO2I148	KO2LCAPB	KO2LDSCB	KO2LTCHB
KO2NCSEB	KO2NCSJB	KO2NCSTB	KO2NCS1B	KO2NCS5B	KO2NCS6B
KO2NCS8B	KO2NDRVB	KO2OAPIB	KO2OCINB	KO2OCKCH	KO2OCKOH

Figure 47 (Page 20 of 22). SMP/E Elements Not Selected					
KO2OCKWH	KO2OCMCB	KO2OCUAB	KO2ODBGB	KO2ODB1B	KO2ODCNB
KO2ODINB	KO2ODSTB	KO2OED6B	KO2OED9B	KO2OENDB	KO2OEVCB
KO2OFUDB	KO2OH2IB	KO2OINTB	KO2OJTHB	KO2OLOKB	KO2OMEMB
KO2OMGCB	KO2OMNUB	KO2OMODB	KO2ONAFB	KO2ONAGB	KO2ONAPB
KO2ONASB	KO2ONA1B	KO2ONA2B	KO2ONTAB	KO2OPCNB	KO2OQALK
KO2OQALS	KO2OQAL2	KO2ORCVB	KO2ORLGB	KO2OSBSB	KO2OSNEF
KO2OSNPB	KO2OSORB	KO2OSPCB	KO2OSQPB	KO2OSTSB	KO2OST6B
KO2OSYXB	KO2OSY1B	KO2OTCCB	KO2OTCIK	KO2OTCIS	KO2OTCI2
KO2OTHAB	KO2OTHBB	KO2OTHDB	KO2OTHFB	KO2OTHJB	KO2OTHKB
KO2OTHLB	KO2OTHMB	KO2OTHNB	KO2OTHOB	KO2OTHPB	KO2OTHQB
KO2OTHRB	KO2OTHSB	KO2OTHTB	KO2OTHUB	KO2OTHVB	KO2OTHWB
KO2OTHXB	KO2OTHYB	KO2OTH1B	KO2OTH3B	KO2OTH4B	KO2OTH6B
KO2OTH7B	KO2OTH8B	KO2OTH9B	KO2OXDVB	KO2OXSYB	KO2OXTDB
KO2OXTHB	KO2OZM2B	KO2OZOMB	KO2PCTIF	KO2PDRVF	KO2PLIOF
KO2PMSGF	KO2PRCAP	KO2PSRVF	KO2PSTPH	KO2PSYSH	KO2PUFDT
KO2PUFNM	KO2PUPDM	KO2PUSIF	KO2PUTLF	KO2PUVLS	KO2PWAIT
KO2PWHCB	KO2RVSMB	KO2SDMPB	KO2SIDBK	KO2SIDFR	KO2SQPIH
KO2SQPLH	KO2SQPLI	KO2STMAX	KO2STORB	KO2STPTH	KO2SUMMH
KO2TACTH	KO2TCALL	KO2TDTLH	KO2TDUMP	KO2TEST	KO2TIOSB
KO2TMENU	KO2TQPIH	KO2TSB3B	KO2TSB4B	KO2TSOTH	KO2TSQPI
KO2TTIMH	KO2TWAIT	KO2TZSTG	KO2VDINB	KO2VIOSB	KO2WAITH
KO2WGETB	KO2WINTB	KO2WNCYB	KO2WTCAK	KO2WTCAS	KO2WTCA2
KO2WXCPB	KO2XBPSK	KO2XBPSS	KO2XBPS2	KO2XCINB	KO2XCISK
KO2XCISS	KO2XCIS2	KO2XDINK	KO2XDINS	KO2XDIN2	KO2XLKDK
KO2XLKDS	KO2XLKD2	KO2XRCI2	KO2XRLIC	KO2XRLID	KO2XRLIE
KO2XRLIF	KO2XSUMH	KO2XSYSK	KO2XSYSS	KO2XSYS2	KO2XSY3K
KO2XSY3S	KO2XSY32	KO2XSY42	KO2XSY5K	KO2XSY5S	KO2XSY52
KO2XTHSK	KO2XTHSS	KO2XTHS2	KO2XTH3K	KO2XTH3S	KO2XTH32
KO2XTRPH	KO2XVTIF	KO2XVTIG	KO2ZABN	KO2ZAGTK	KO2ZAGTS
KO2ZAGT2	KO2ZAPI	KO2ZASI	KO2ZAST	KO2ZASY	KO2ZATC
KO2ZATME	KO2ZATQD	KO2ZATQS	KO2ZATQX	KO2ZATSD	KO2ZATVB
KO2ZAUT	KO2ZBAE	KO2ZBAS	KO2ZBAT	KO2ZBLD	KO2ZCBA
KO2ZCBRK	KO2ZCBRS	KO2ZCBR2	KO2ZCIU	KO2ZCMD	KO2ZCOM

Figure 47 (Page 21 of 22). SMP/E Elements Not Selected					
KO2ZCPR	KO2ZCPS	KO2ZCPUK	KO2ZCPUS	KO2ZCPU2	KO2ZCTB
KO2ZDBD	KO2ZDBG	KO2ZDBIK	KO2ZDBIS	KO2ZDBI2	KO2ZDBX
KO2ZDB2	KO2ZDCM	KO2ZDDN	KO2ZDIA	KO2ZDSN	KO2ZDVTK
KO2ZDVTS	KO2ZDVT2	KO2ZDYN	KO2ZEDD3	KO2ZENC	KO2ZENF
KO2ZEOM	KO2ZEOT	KO2ZFCT	KO2ZFRE	KO2ZFRR	KO2ZGCM
KO2ZGIO	KO2ZGPV	KO2ZGSL	KO2ZGTP	KO2ZHPWA	KO2ZHVS
KO2ZH2T	KO2ZICP	KO2ZIDBK	KO2ZIDFR	KO2ZIFI	KO2ZIIOK
KO2ZIIOS	KO2ZIIO2	KO2ZINC	KO2ZINF	KO2ZINI	KO2ZINS
KO2ZIOB	KO2ZIORK	KO2ZIORS	KO2ZIOR2	KO2ZIPC	KO2ZIPI
KO2ZIRB	KO2ZISH	KO2ZISI	KO2ZISX	KO2ZISY	KO2ZITG
KO2ZIVR	KO2ZIZL	KO2ZIZP	KO2ZI64	KO2ZJPR	KO2ZLCK
KO2ZLGMK	KO2ZLGMS	KO2ZLGM2	KO2ZLGX	KO2ZLIB	KO2ZLKNK
KO2ZLKNS	KO2ZLKN2	KO2ZLOCC	KO2ZLOCH	KO2ZLOG	KO2ZLSL
KO2ZMAT	KO2ZMENU	KO2ZMEP	KO2ZMER	KO2ZMGR	KO2ZMSG
KO2ZMST	KO2ZNNN	KO2ZNTR	KO2ZOBCK	KO2ZOBCS	KO2ZOBC2
KO2ZOBDK	KO2ZOBDS	KO2ZOBD2	KO2ZOCI	KO2ZOCM	KO2ZOII
KO2ZOMI	KO2ZOPC	KO2ZOPT	KO2ZOPU	KO2ZPAR	KO2ZPEX
KO2ZPKDH	KO2ZPKGH	KO2ZPRC	KO2ZPRM	KO2ZPRT	KO2ZPTF
KO2ZPXY	KO2ZRCM	KO2ZREG	KO2ZREQ	KO2ZRIO	KO2ZRMDK
KO2ZRMDS	KO2ZRMD2	KO2ZROU	KO2ZRST	KO2ZRTG	KO2ZRTM
KO2ZRTO	KO2ZSIP	KO2ZSND	KO2ZSOP	KO2ZSQL	KO2ZSQPI
KO2ZSQPL	KO2ZSRB	KO2ZSSI	KO2ZSSN	KO2ZSTK	KO2ZSTLK
KO2ZSTLS	KO2ZSTL2	KO2ZSTO	KO2ZSTS	KO2ZSUB	KO2ZSUP
KO2ZSVC	KO2ZSVS	KO2ZSVU	KO2ZSYN	KO2ZTCB	KO2ZTCK
KO2ZTDC	KO2ZTKN	KO2ZTMAX	KO2ZTMR	KO2ZTOP	KO2ZTRK
KO2ZTRM	KO2ZUCM	KO2ZUTL	KO2ZVAL	KO2ZVAT	KO2ZVCB
KO2ZVCS	KO2ZVCZ	KO2ZVLS	KO2ZVTB	KO2ZV64	KO2ZWTO
KO2ZXCB	KO2ZXCF	KO2ZXCM	KO2ZXCQ	KO2ZXCT	KO2ZXDQ
KO2ZXGP	KO2ZXIO	KO2ZXLC	KO2ZXMT	KO2ZXNO	KO2ZXPC
KO2ZXQR	KO2ZXRB	KO2ZXRD	KO2ZXRE	KO2ZXRM	KO2ZXRR
KO2ZXRS	KO2ZXRT	KO2ZXSN	KO2ZXST	KO2ZXSUM	KO2ZXTRP
KO2ZXVR	KO2ZXYZ	KO2ZZCC	KO2ZZIP	KO2ZZLLT	KO2ZZNC
KO2ZZNF	KO2ZZPAK	KO2ZZPAS	KO2ZZPA2	KO2ZZPC	KO2ZZPN

Figure 47 (Page 22 of 22). SMP/E Elements Not Selected					
KO2ZZPP	KO2ZZPS	KO2ZZPT	KO2ZZRB	KO2ZZRM	KO2ZZRR
KO2ZZSL	KO2ZZSM	KO2ZZSR	KO2ZZTK	KO2ZZTM	KO2ZZ64
KO25ACCT	KO25CHLD	KO25DSQL	KO25DSQ2	KO25DSTX	KO25EDMP
KO25FRTS	KO25HACL	KO25HACT	KO25HBAC	KO25HGLC	KO25HLAC
KO25HLKC	KO25HTHD	KO25HWT1	KO25HWT2	KO25HXST	KO25KPI
KO25LOGS	KO25QBST	KO25QDBP	KO25QISE	KO25Q3ST	KO25Q8AC
KO25Q8ST	KO25SQLT	KO25SSQL	KO25SSTX	KO25SXST	KO25TNAM
KO25TXST	KO25WAT1	KO25WAT2	KO25ZPRM	KO25225	KO252252
KO25230	KO25254	KO253162	KO25317	KO254012	KQIAGENT
KQIBRACT	KQIBRSTS	KQIJSTMS	KQIJSTPS	KQIJSTPW	KQIMAP
KQIMFACT	KQIMFEWS	KQIMFIRD	KQIMFISD	KQIMFMFR	KQIMFMFX
KQIMFMSR	KQIMFNDS	KQIMFNDX	KQIMFSTS	KQIMFTHR	KQIMFTHS
KQIMFTSR	KQIMSMAN	KQINDATS	KQINDNDR	KQINDNSR	KQINDTRR
KQINDTRS	KQINDTSR	KQIPNODE	KQIQMSWX	KQISTART	KQISTRTI
KQISVACT	KQISVCCS	KQISVFLS	KQISVGCS	KQISVJDS	KQISVJMS
KQISVJVS	KQISVODS	KQISVOSS	KQISVPSS	KQISVSPS	KQISVSTS
KQISVSVS	KQISVTCS	KQISVTSS	KQITACTX	KQITAMSX	KQIXML
KRIDA0MQ	KRIDA0NQ	KRIDA0OQ	KRIDA0PQ	KRIFLGX0	KRIHD0MQ
KRIHD0NQ	KRIHD0OQ	KRIHD0PQ	KRILGXM0	KRILGXN0	KRILGXO0
KRILGXP0	KRILP0MQ	KRILP0NQ	KRILP0OQ	KRILP0PQ	KRIRI0MQ
KRIRI0NQ	KRIRI0OQ	KRIRI0PQ	KXDM3ZF	KYNAGENT	KYNATR
KYNBHELP	KYNCAT	KYNCTBEX	KYNDDICT	KYNDINFO	KYNDOC
KYNDRNEW	KYNPDICT	KYNRKCFG	KYNSBATO	KYNTAR	KYN71CGV
KYN71HE	KYN71HEA	KYN71HL	KYN71HLA	KYN71HLB	KYN71PPL
KYN710CB	KYN710RN	KYN710SC	KYN710SP	KYN710VA	

After installing new function, you should perform two operations:

1. Create a backup of the updated data sets, including any SMP/E data sets affected, in case something happens to the data sets during the next phase.
2. Do some testing before putting the new function into production.

After you are satisfied that an applied SYSMOD has performed reliably in your target system, you can install it in your distribution libraries using the ACCEPT process.

Another good practice is to accept most SYSMODs, particularly FMIDs, before performing another APPLY process. This provides you the ability to use the RESTORE process of SMP/E and to support the scenario where SMP/E needs to create a new load module from the distribution libraries during the APPLY process.

6.1.12 Perform SMP/E ACCEPT

Edit and submit the generated job KCIJGACC to perform an SMP/E ACCEPT CHECK for Service Management Suite.

If you are not using the generated job, select the sample ACCEPT job for each of the products included. Edit and submit it after making appropriate changes for your environment. Consult the instructions in the sample job for more information.

To receive the full benefit of the SMP/E Causer SYSMOD Summary Report, do *not* bypass the PRE, ID, REQ, and IFREQ on the ACCEPT CHECK. The SMP/E root cause analysis identifies the cause of *errors* but not *warnings* (SMP/E treats bypassed PRE, ID, REQ, and IFREQ conditions as warnings rather than errors).

Before you use SMP/E to load new distribution libraries, it is recommended that you set the ACCJCLIN indicator in the distribution zone. In this way, you can save the entries that are produced from JCLIN in the distribution zone whenever a SYSMOD that contains inline JCLIN is accepted. For more information about the ACCJCLIN indicator, see the description of inline JCLIN in the SMP/E Commands documentation for details.

Expected Return Codes and Messages from ACCEPT CHECK: 4

After you take actions that are indicated by the ACCEPT CHECK, remove the CHECK operand and run the job again to perform the ACCEPT.

Note: The GROUPEXTEND operand indicates that SMP/E accepts all requisite SYSMODs. The requisite SYSMODS might be applicable to other functions.

If the BYPASS operand is not included in the control statement when processing a PTF with a ++HOLD statement, the job will get a return code of 12 and the following message.

```
GIM30206E command PROCESSING FAILED FOR SYSMOD sysmod.
          HOLD REASON IDS WERE NOT RESOLVED.
```

If PTFs that contain replacement modules are accepted, SMP/E ACCEPT processing will link-edit or bind the modules into the distribution libraries. During this processing, the Linkage Editor or Binder might issue messages that indicate unresolved external references, which will result in a return code of 4 during the ACCEPT phase. You can ignore these messages, because the distribution libraries are not executable and the unresolved external references do not affect the executable system libraries.

Expected Return Codes and Messages from ACCEPT: 4

You can receive many of the following messages depending on your environment. These messages can be ignored, because they will not affect product execution.

```
GIM24701W SMP/E COULD NOT OBTAIN LINK-EDIT PARAMETERS FOR LOAD
       MODULE loadmod FOR SYSMOD sysmod. DEFAULTS WERE USED.
```

Figure 47 on page 64 contains a list of elements that might be marked as not selected during the APPLY and ACCEPT processes. This might occur because a VERSION parameter was supplied in an FMID indicating that it contained a higher level version of the same element provided by another FMID being processed at the same time. The higher version element is selected for processing and the lower version is not selected for processing. It might also occur because maintenance is being installed at the same time as the FMIDs.

6.1.13 Cleaning Up Obsolete Data Sets, Paths, and DDDEFs

The following data sets, which were allocated and used by previous releases of this product, are no longer used in this release. You can delete these obsolete data sets after you delete the previous release from your system.

- #dsthlq.DKGWJAR

The following file system paths, which were created and used by previous releases of this product, are no longer used in this release. You can delete these obsolete file system paths after you delete the previous release from your system.

- #hfsdir/usr/lpp/kgw/v420/bin/IBM
- #hfsdir/usr/lpp/kgw/v420/bin
- #hfsdir/usr/lpp/kgw/v420
- #hfsdir/usr/lpp/kgw
- #hfsdir/usr/lpp/opmei/v530/lib/IBM
- #hfsdir/usr/lpp/opmei/v530/lib
- #hfsdir/usr/lpp/opmei/v530
- #hfsdir/usr/lpp/opmei/v520/lib/IBM
- #hfsdir/usr/lpp/opmei/v520/lib
- #hfsdir/usr/lpp/opmei/v520
- #hfsdir/usr/lpp/opmei/v511/lib/IBM
- #hfsdir/usr/lpp/opmei/v511/lib
- #hfsdir/usr/lpp/opmei/v511
- #hfsdir/usr/lpp/opmei/v410/lib/IBM
- #hfsdir/usr/lpp/opmei/v410/lib
- #hfsdir/usr/lpp/opmei/v410

However, in order to keep the existing configuration file (pdq.properties) you might want to copy this file into the new "/usr/lpp/opmei/v530/lib/IBM" path before you delete the obsolete file system paths. The alternative is to create the same configuration again in the new path.

- /usr/lpp/ /wsam/was_instance/bin/IBM
- /usr/lpp/itcam/wsam/was_instance/lib/boot/IBM
- /usr/lpp/itcam/wsam/was_instance/codeset/IBM
- /usr/lpp/itcam/wsam/doc/IBM
- /usr/lpp/itcam/wsam/was_instance/etc/IBM

- /usr/lpp/itcam/wsam/was_instance/lib/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/pt_BR/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/zh_CN/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/de/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/es/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/fr/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/it/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/ja/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/ko/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/C/IBM
- /usr/lpp/itcam/wsam/was_instance/msg/zh_TW/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was60/esb60/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was60/prs60/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was61/esb61/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/was61/prs61/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps6/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps51/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/etc/was/wps60/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/was51/IBM
- /usr/lpp/itcam/WebSphere/DC/itcamdc/lib/ext/was/was70/IBM

The following DDDEF entries, which were created and used by previous releases of this product, are no longer used in this release. You can delete these obsolete DDDEF entries after you delete the previous release from your system.

- SCYNZBOT
- SCYNZCOD
- SCYNZDOC
- SCYNZMBR
- SCYNZMCN
- SCYNZMDE
- SCYNZMES
- SCYNZMFR
- SCYNZMIT

- SCYNZMJA
- SCYNZMKO
- SCYNZMSC
- SCYNZMTW
- SCYNZWE6
- SCYNZWP6
- SCYNZW6E
- SCYNZW6P
- SCYNZP6
- SCYNZP51
- SCYNZP60
- SCYNZLW5
- SCYNZL70
- TKGWJAR
- DKGWJAR

6.2 Activating Service Management Suite

Prior to activating the products included in Service Management Suite, IBM recommends you review the Quick Start Guide, **First time deployment guide (FTU installation and configuration tasks)** as well as Planning and Configuring topics if you have not already done so. This documentation focuses on the things you will need to know for a successful deployment of the products included in this package.

Note: Install Job Generator (JOBGEN) output library: You can specify the Install Job Generator (JOBGEN) output library during the PARMGEN "KCIJPCFG Set up/Refresh PARMGEN work environment" configuration processing to reuse parameter values such as the jobcard and CSI values related to CALLLIBS and USS install directory override data.

Activating the products included in Service Management Suite requires you to use the OMEGAMON shared publications and the configuration guides for each product listed in Figure 1 on page 8.

This documentation can be found online at:

https://www.ibm.com/support/knowledgecenter/SSANTA_1.6.1/

6.2.1 File System Execution

If you mount the file system in which you have installed OMEGAMON for CICS TG on z/OS, OMEGAMON XE for Db2 Performance Expert on z/OS, ITCAM for Application Diagnostics on z/OS and Z OMEGAMON for JVM components in read-only mode during execution, then you do not have to take further actions.

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